STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL	1. WELL NAME and NUMBER: Wells Draw State 1-32-8-16
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	3. FIELD OR WILDCAT: MONUMENT BUTTE
4. TYPE OF WELL: Oil Well Coalbed Methane Well: NO	5. UNIT or COMMUNITIZATION AGREEMENT NAME: GMBU (GRRV)
6. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. OPERATOR PHONE: 435 646-4825
8. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	9. OPERATOR E-MAIL: mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): ML-21836 — 11. MINERAL OWNERSHIP: FEDERAL ○ INDIAN ○ STATE ◉ FEE ○	12. SURFACE OWNERSHIP: FEDERAL ○ INDIAN ○ STATE ◉ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') — 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ○ (Submit Commingling Application) NO ◉	19. SLANT: VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	769 FNL 776 FEL	NENE	32	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	769 FNL 776 FEL	NENE	32	8.0 S	16.0 E	S
At Total Depth	769 FNL 776 FEL	NENE	32	8.0 S	16.0 E	S

21. COUNTY	22. DISTANCE TO NEAREST LEASE LINE (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT
DUCHESNE	769	40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 1266	26. PROPOSED DEPTH: MD: 6490 TVD: 6490
27. ELEVATION - GROUND LEVEL: 5689	28. BOND NUMBER: B001834	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: 43-7478

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 09/29/2009	EMAIL mcrozier@newfield.com

API NUMBER ASSIGNED
43013501570000

APPROVAL

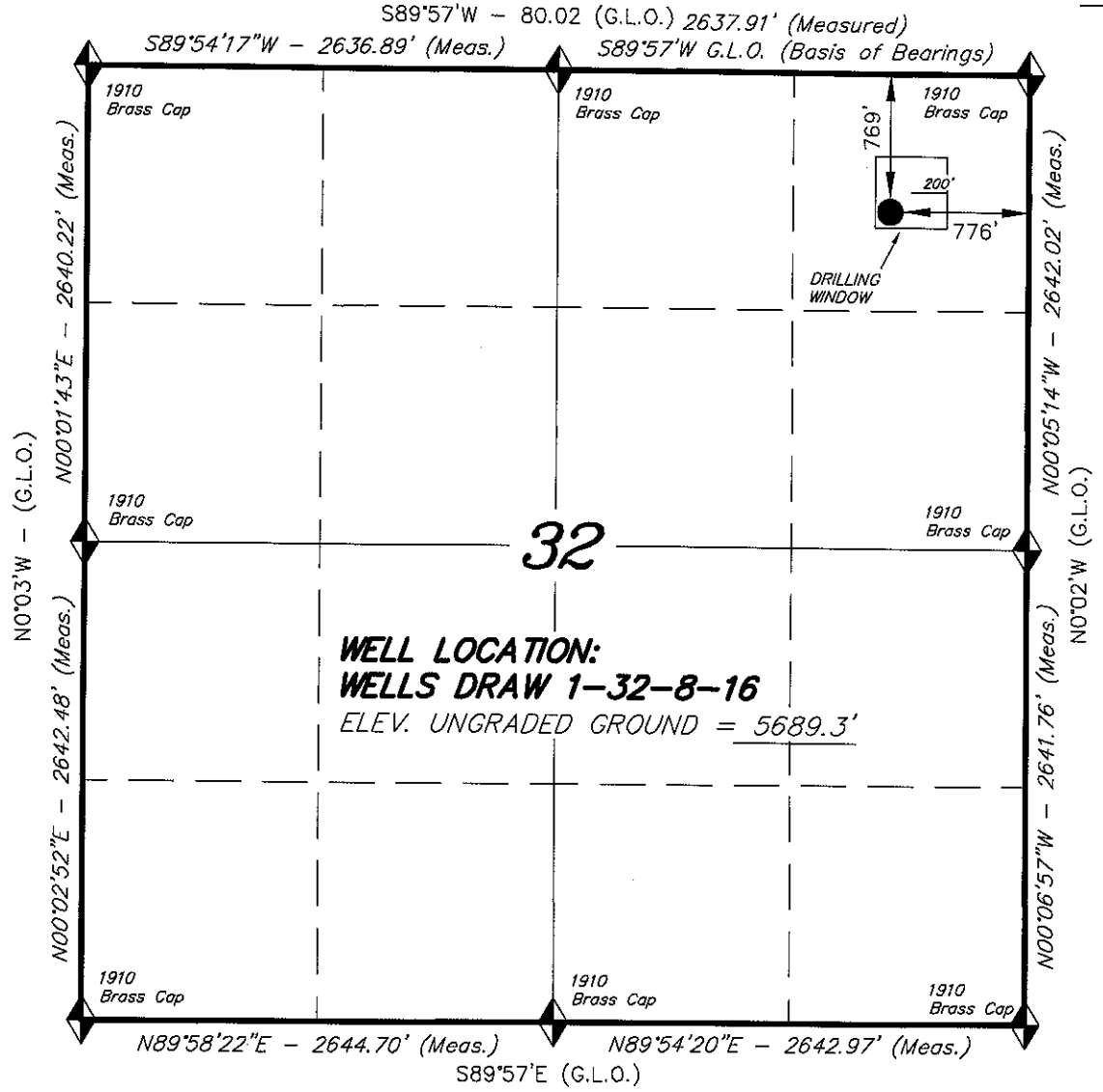
Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	5.5	0	6490		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	6490	15.5			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	8.625	0	700		
Pipe	**Grade**	**Length**	**Weight**			
	Grade K-55 ST&C	700	24.0			

'APIWellNo:43013501570000'

T8S, R16E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7–1/2 min QUAD (MYTON SW)

WELLS DRAW 1–32–8–16
(Surface Location) NAD 83
LATITUDE = 40° 04' 46.50"
LONGITUDE = 110° 08' 11.94"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WELLS DRAW 1–32–8–16, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 32, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781–2501

DATE SURVEYED: 12–03–08	SURVEYED BY: T.H.
DATE DRAWN: 12–17–08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
WELLS DRAW STATE 1-32-8-16
NE/NE SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1,740'
Green River	1,740'
Wasatch	6,490'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1,740' – 6,490'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 700'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. *PROPOSED CASING PROGRAM*

a. Casing Design: Wells Draw State 1-32-8-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	700'	24.0	J-55	STC	2,950 7.51	1,370 6.15	244,000 14.52
Prod casing 5-1/2"	0'	6,490'	15.5	J-55	LTC	4,810 2.33	4,040 1.96	217,000 2.16

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Wells Draw State 1-32-8-16

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	700'	Class G w/ 2% CaCl	321 376	30%	15.8	1.17
Prod casing Lead	4,490'	Prem Lite II w/ 10% gel + 3% KCl	310 1011	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±700 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 700' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2010, and take approximately seven (7) days from spud to rig release.

'APIWellNo:43013501570000'

2-M SYSTEM

Blowout Prevention Equipment Systems

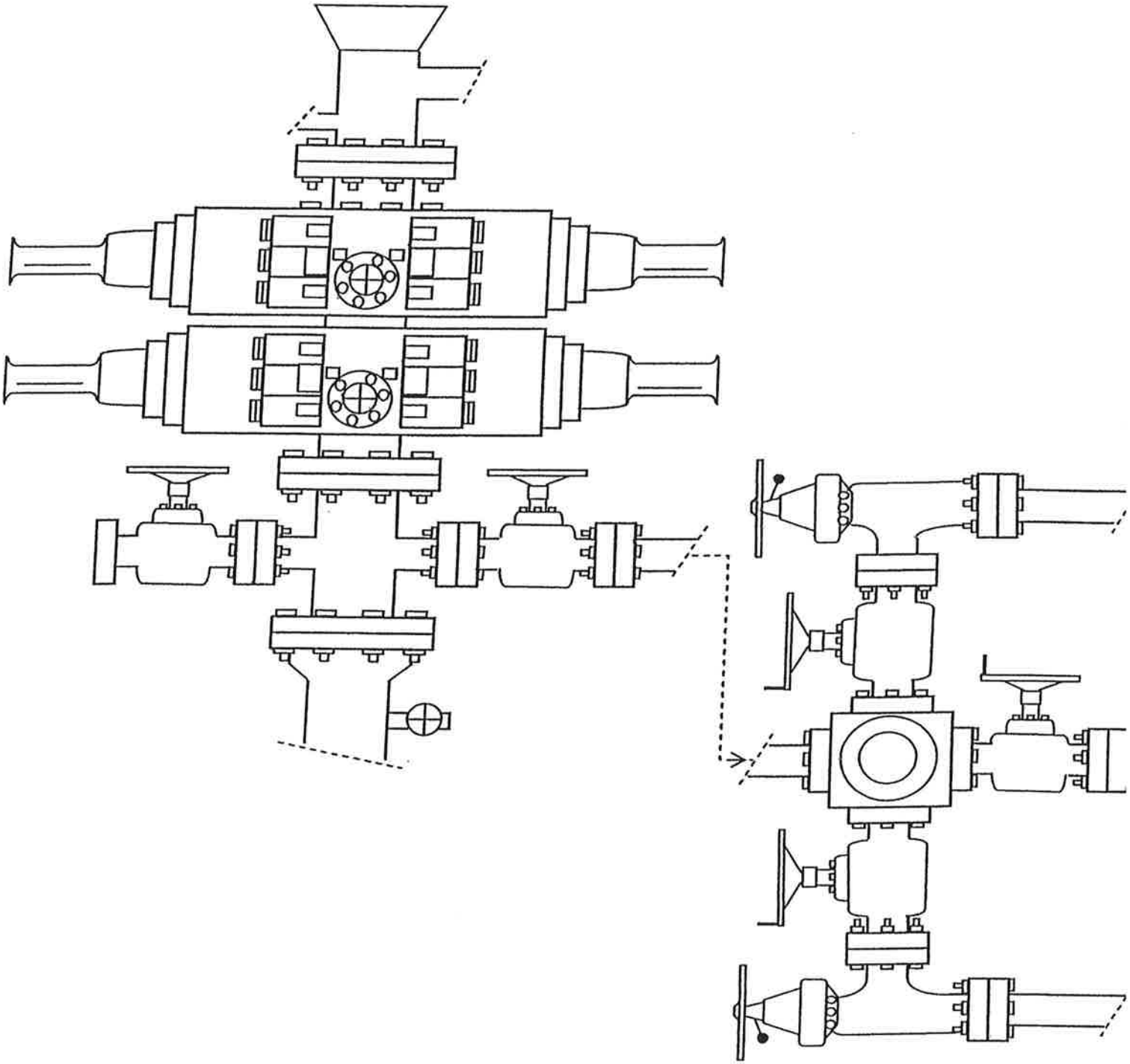
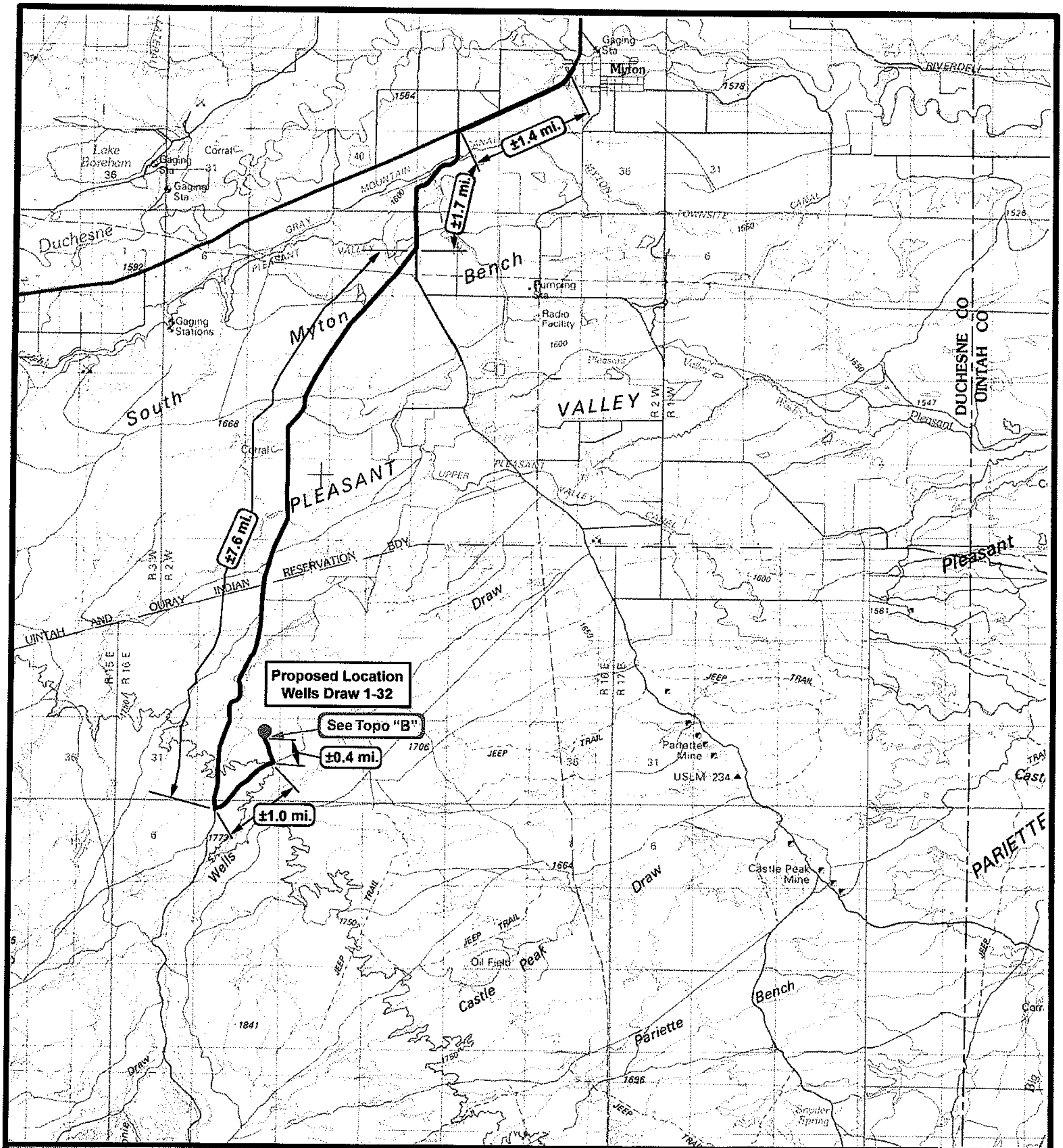


EXHIBIT C

'APIWellNo:43013501570000'



NEWFIELD
Exploration Company

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

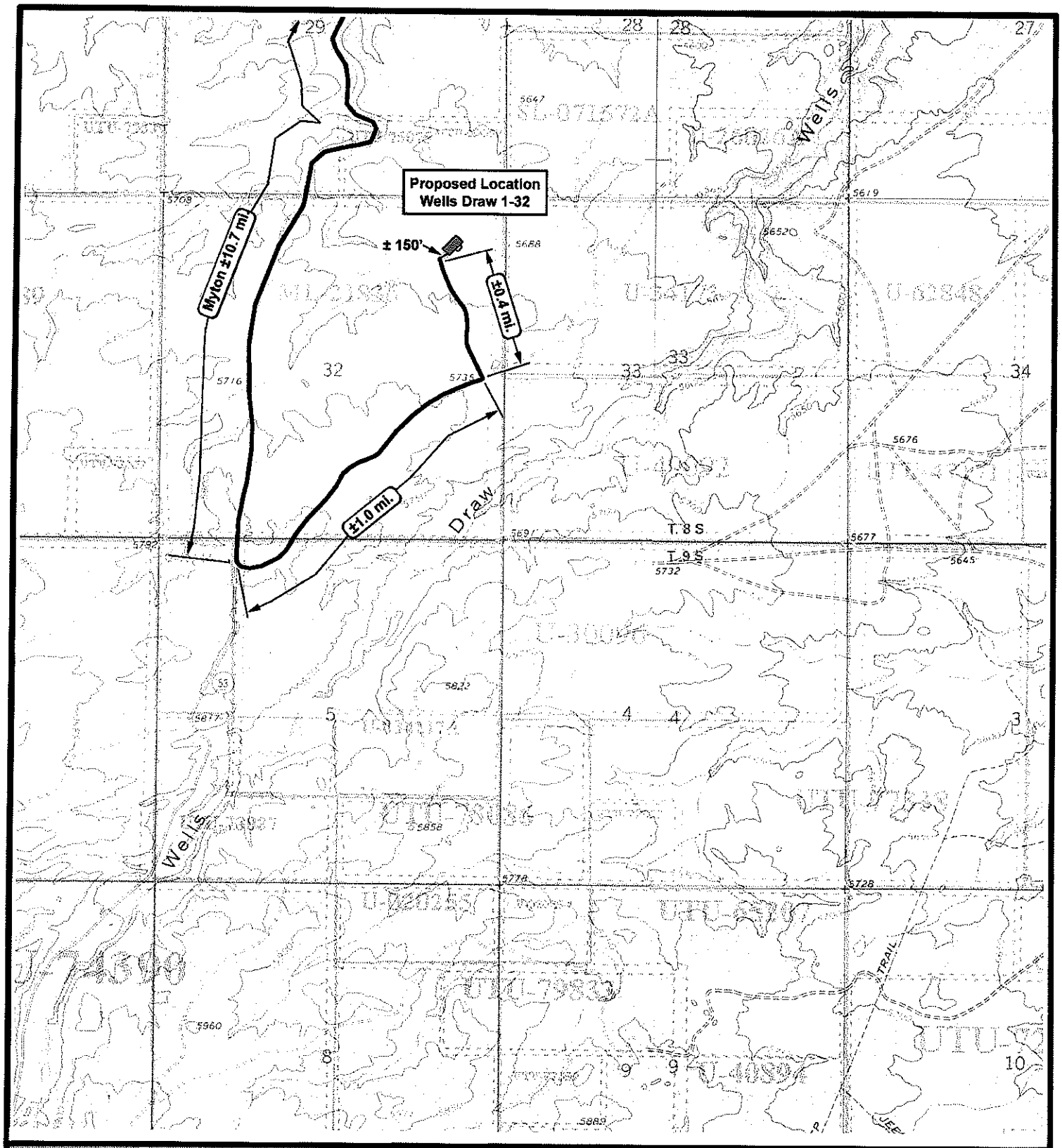
Legend
Existing Road

Wells Draw 1-32-8-16
SEC. 32, T8S, R16E, S.L.B.&M.

SCALE: 1:100,000
DRAWN BY: mw
DATE: 12-29-2008

TOPOGRAPHIC MAP
"A"

'APIWellNo:43013501570000'



NEWFIELD Exploration Company

Wells Draw 1-32-8-16
SEC. 32, T8S, R16E, S.L.B.&M.

N

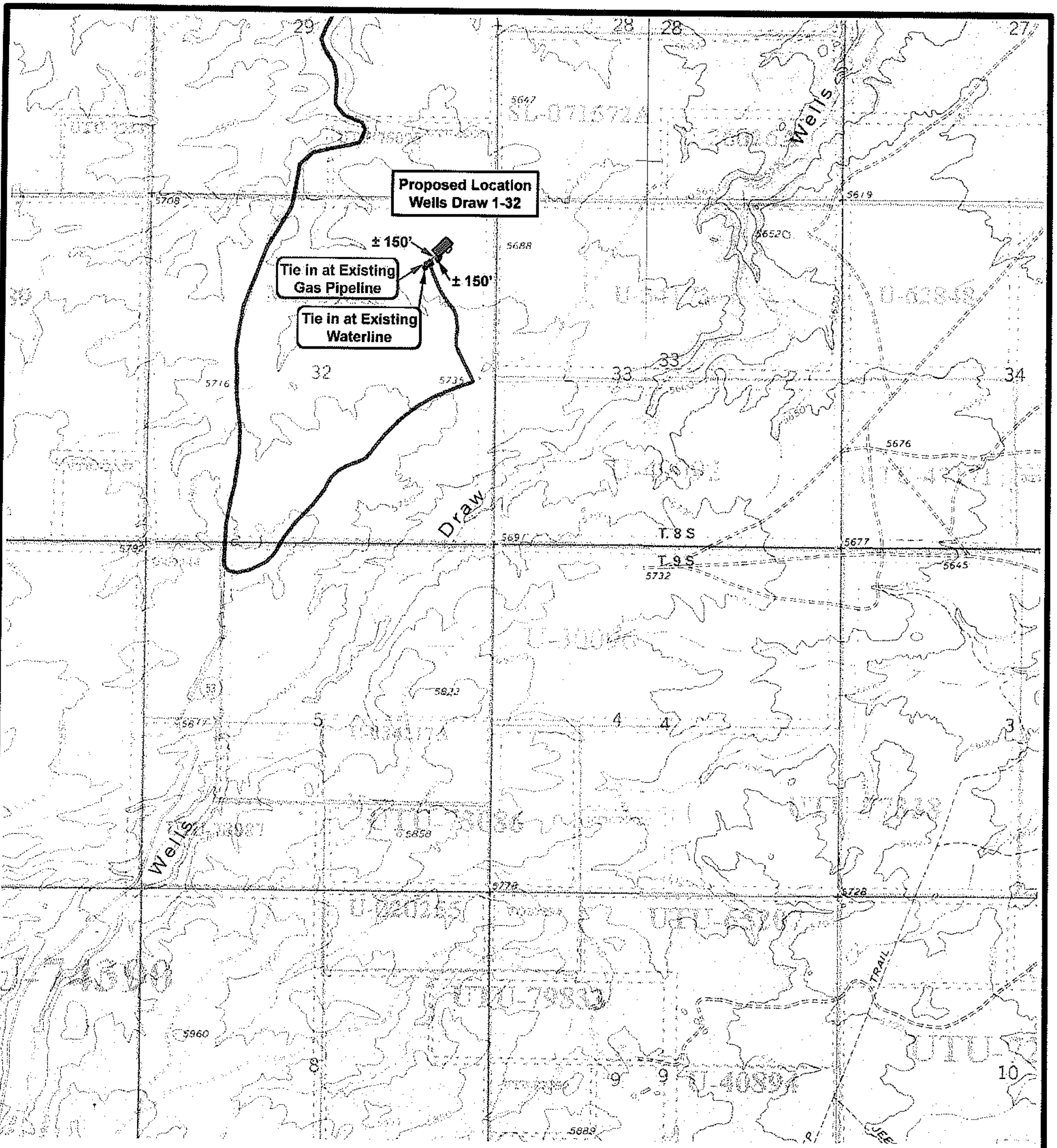
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: mw
DATE: 12-29-2008

Legend
Existing Road

TOPOGRAPHIC MAP
"B"

'APIWellNo:43013501570000'



NEWFIELD
Exploration Company

Wells Draw 1-32-8-16
SEC. 32, T8S, R16E, S.L.B.&M.

N

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

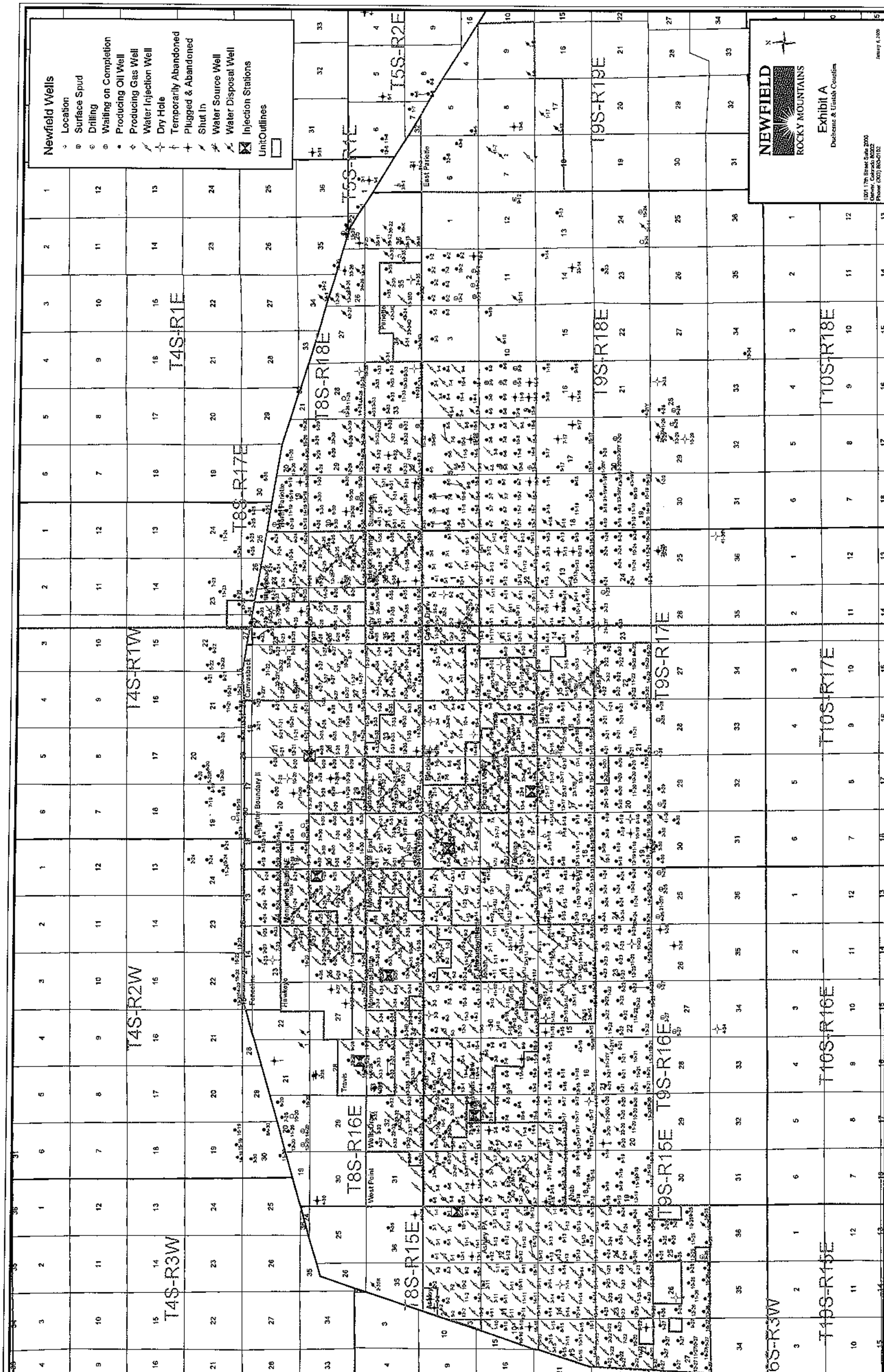
SCALE: 1" = 2000'
DRAWN BY: mw
DATE: 12-29-2008

Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP
"C"

'APIWellNo:43013501570000'



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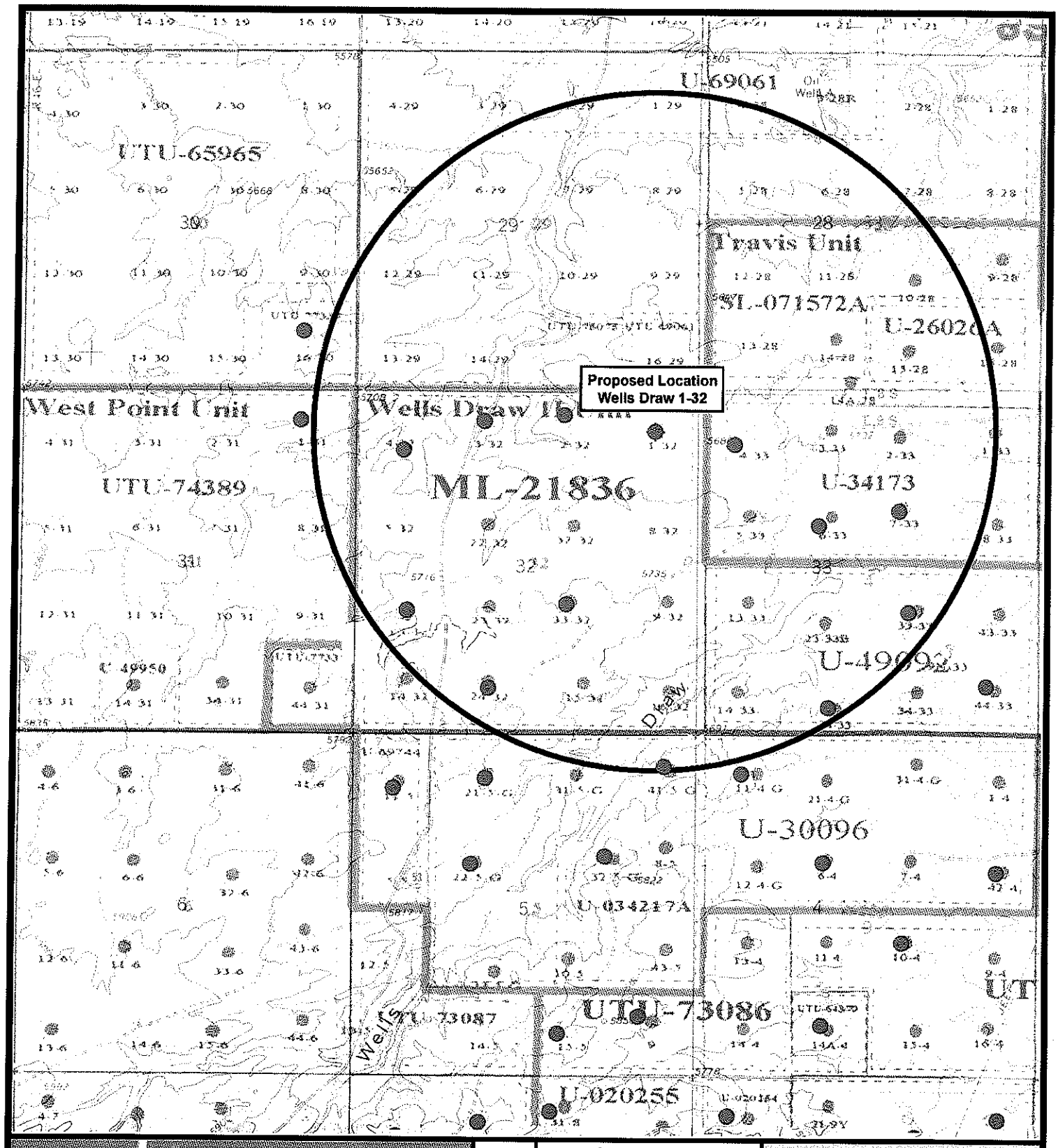


NEWFIELD PRODUCTION COMPANY
WELLS DRAW STATE 1-32-8-16
NE/NE SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Wells Draw State 1-32-8-16 located in the NE¼ NE¼ Section 32, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly – 9.3 miles to it's junction with an existing road to the northeast; proceed northeasterly – 1.0 miles ± to it's junction with an existing road to the northwest; proceed northwesterly – 0.4 miles ± to it's junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road – 150' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 150' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous

will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 150' of disturbed area be granted to allow for construction of the proposed surface gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 10" or smaller gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Newfield Production Company requests 150' of disturbed area be granted to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line, with a permanent width of 30' upon completion of the proposed water return line. The construction phase of the proposed water lines will last approximately (5) days. **Refer to Topographic Map "C."** In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #01-10, 2/28/01. Paleontological Resource Survey prepared by, Wade E. Miller, 4/8/09. See attached report cover pages, Exhibit "D".

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Wells Draw State 1-32-8-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Wells Draw State 1-32-8-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #1-32-8-16, NE/NE Section 32, T8S, R16E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

9/29/09
Date

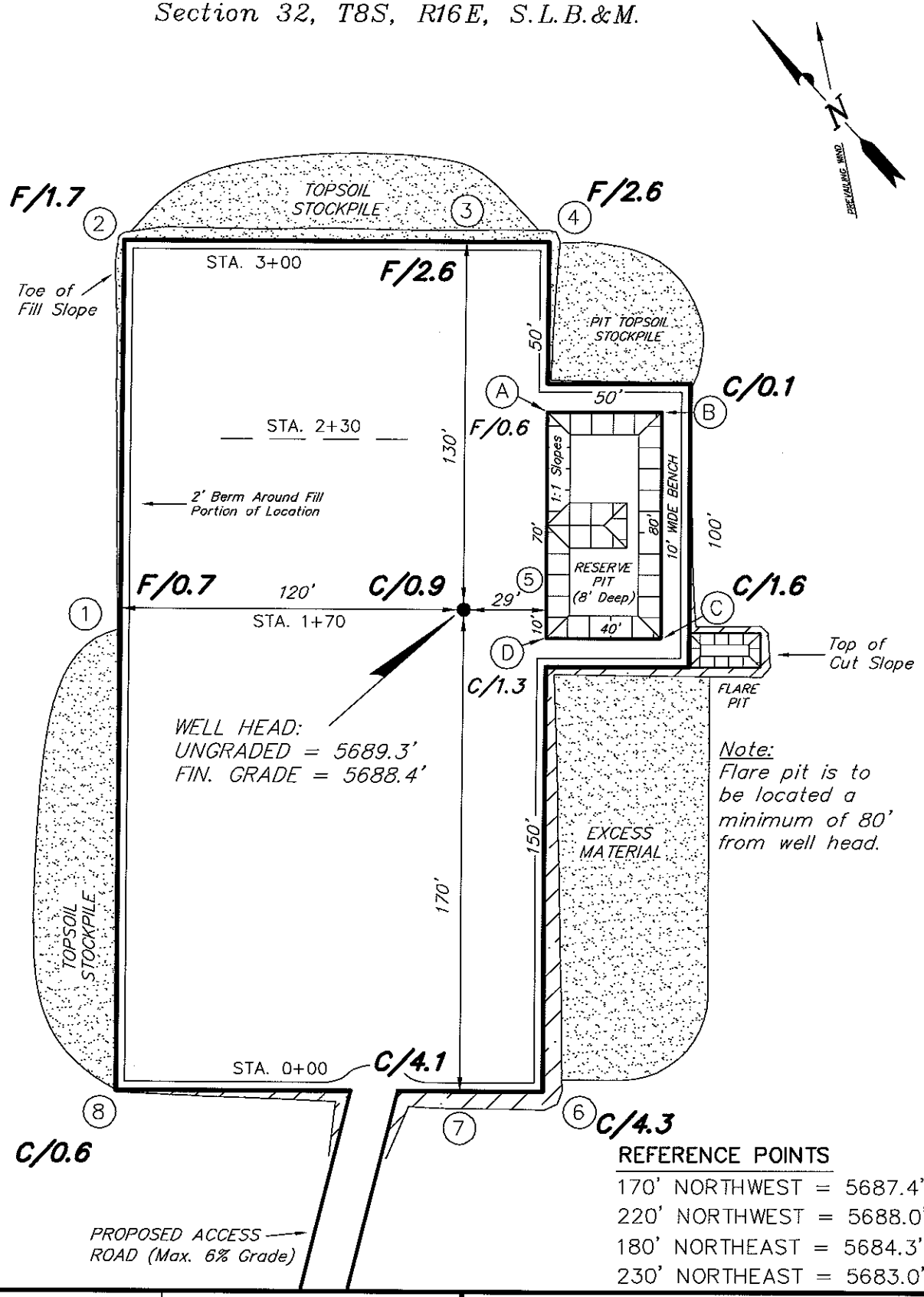
Mandie Crozier
Regulatory Specialist
Newfield Production Company

'APIWellNo:43013501570000'

NEWFIELD PRODUCTION COMPANY

WELLS DRAW 1-32-8-16

Section 32, T8S, R16E, S.L.B.&M.



REFERENCE POINTS

170' NORTHWEST = 5687.4'
220' NORTHWEST = 5688.0'
180' NORTHEAST = 5684.3'
230' NORTHEAST = 5683.0'

SURVEYED BY:	T.H.	DATE SURVEYED:	12-03-08
DRAWN BY:	F.T.M.	DATE DRAWN:	12-17-08
SCALE:	1" = 50'	REVISED:	

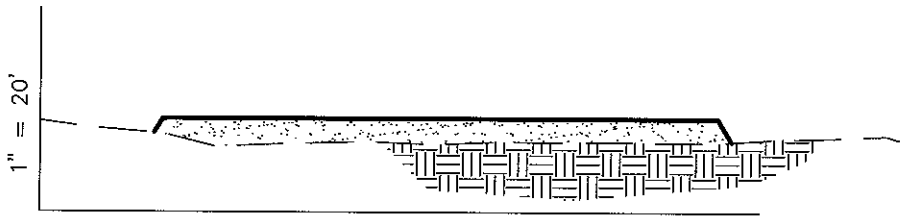
Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

'APIWellNo:43013501570000'

NEWFIELD PRODUCTION COMPANY

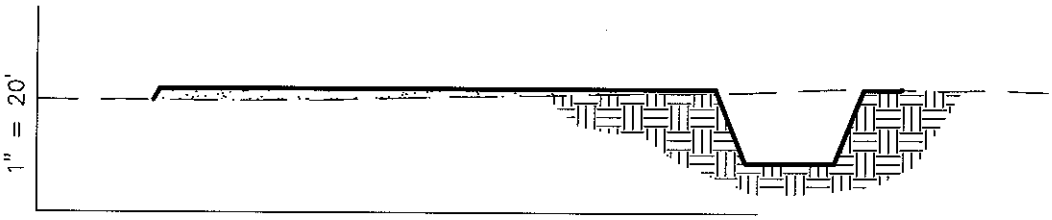
CROSS SECTIONS

WELLS DRAW 1-32-8-16



1" = 50'

STA. 3+00



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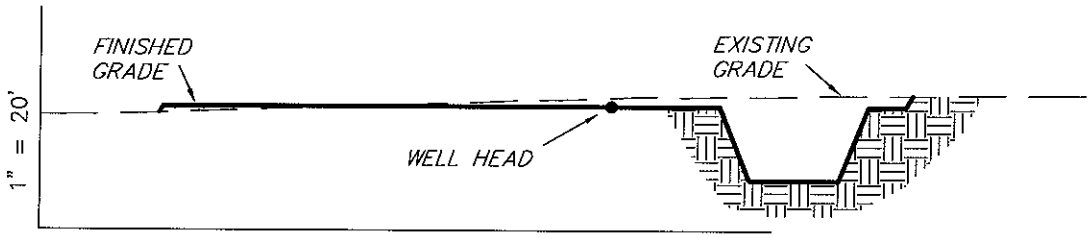
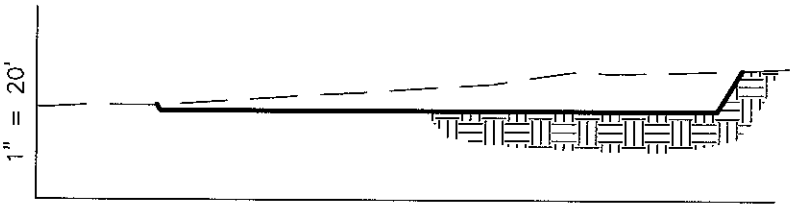
STA. 2+30



1" = 50'

STA. 1+70



1" = 50'

STA. 0+00

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,290	1,290	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	1,930	1,290	980	640

SURVEYED BY: T.H.	DATE SURVEYED:	12-03-08	
DRAWN BY: F.T.M.	DATE DRAWN:	12-17-08	
SCALE: 1" = 50'	REVISED:		

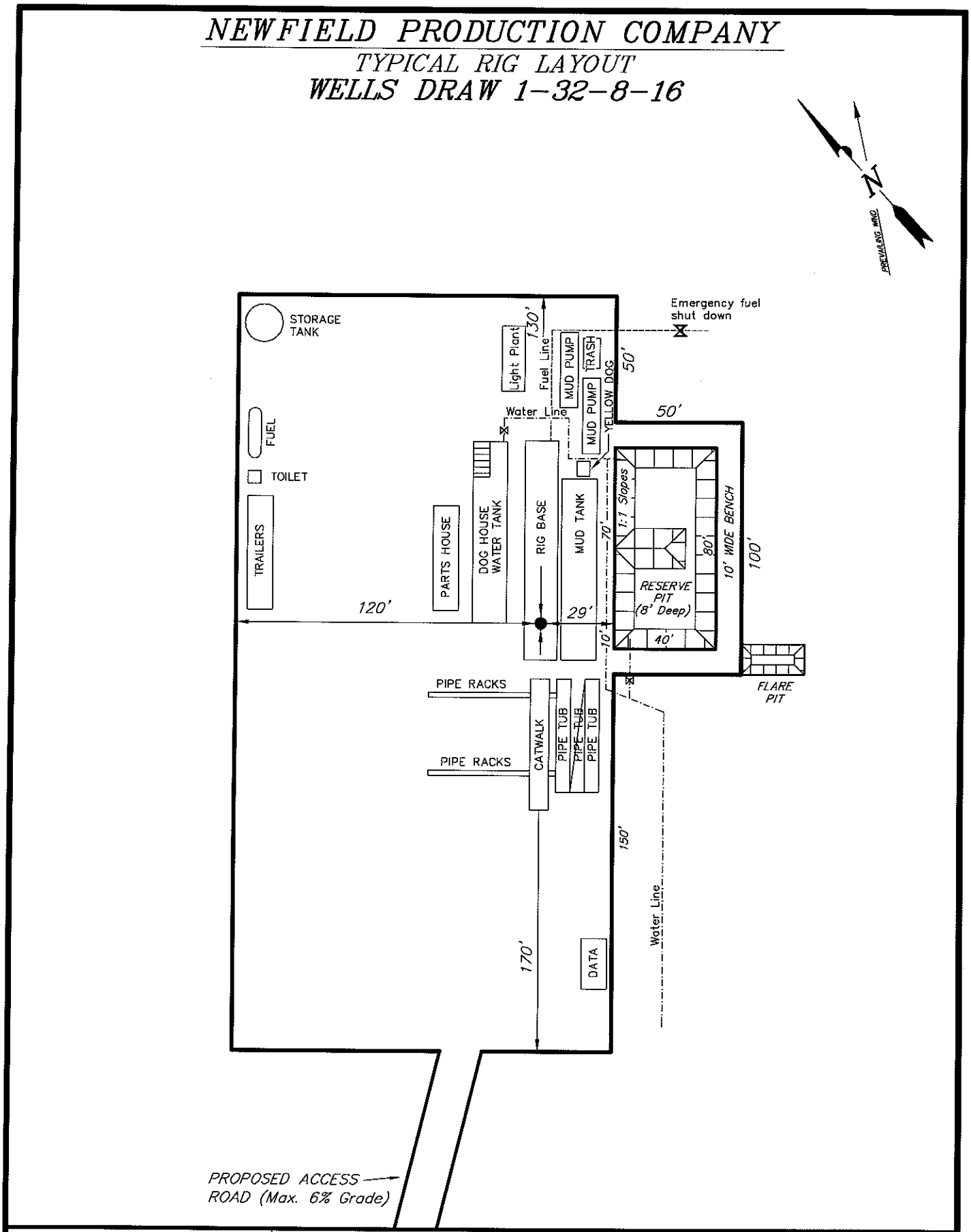
Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

'APIWellNo:43013501570000'

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

WELLS DRAW 1-32-8-16



SURVEYED BY: T.H.	DATE SURVEYED: 12-03-08	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 12-17-08	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 50'	REVISED:		

'APIWellNo:43013501570000'

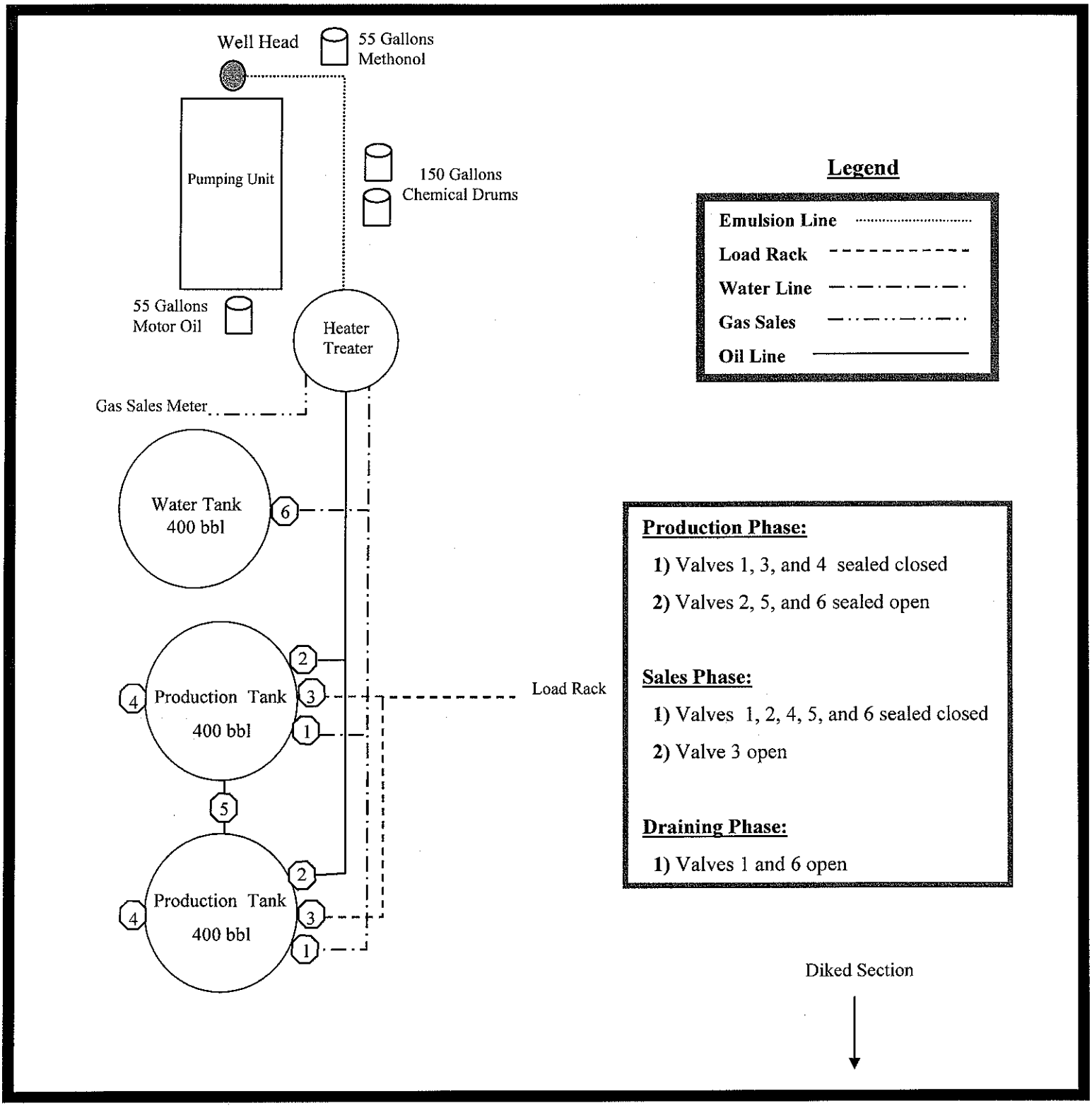
Newfield Production Company
Proposed Site Facility Diagram

Wells Draw State 1-32-8-16

NE/NE Sec. 32, T8S, R16E

Duchesne County, Utah

ML-21836



'APIWellNo:43013501570000'

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF 160 ACRES IN T 8S, R 16E, SECTION 32 FOR INLAND RESOURCES DUCHESNE COUNTY, UTAH

by

Keith R. Montgomery
and
Sarah Ball

Prepared For:

State of Utah
School and Institutional
Trust Lands Administration

Prepared Under Contract With:

Inland Resources
2507 Flintridge Place
Fort Collins CO 80521

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 01-10

February 28, 2001

United States Department of Interior (FLPMA)
Permit No. 00-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-01-MQ-0046s

NEWFIELD EXPLORATION COMPANY

PALEONTOLOGICAL SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, AND PROPOSED PIPELINE ROUTES DUCHESNE & UINTAH COUNTIES, UTAH

Area Surveys

Section 32, T 8 S, R 16 E (NE 1/4, NE 1/4); Section 36, T 9 S, R 16 E (SW 1/4, NE 1/4); Section 8, T 9 S, R 16 E (NW 1/4, SW 1/4); Section 29, T 9 S, R 17 E (SW 1/4, NW 1/4); Section 35, T 9 S, R 17 E (SW 1/4, NE 1/4); Section 32, T 9 S, R 18 E (SW 1/4, NE 1/4); Section 8, T 6 S, R 20 E (SE 1/4, NE 1/4); Section 12, T 9 S, R 16 E (SW 1/4, NW 1/4), Section 1, T 8 S, R 16 E (1-32-8-16)

Proposed Water Injection Pipeline Surveys

Sections 25 & 36, T 9 S, R 16 E (15-25-9-16 to 7-36-9-16); Sections 29 & 32, T 9 S, R 18 E (14-32-9-18 to 7-32-9-18); Section 8, T 6 S, R 20 E (7-8-6-20 to 8-8-6-20); Section 33, T 8 S R 17 E (42-33-8-17); Section 32, T 8 S, R 17 E (two lines, southern half of section)

Water and Gas Pipeline Survey

Section 32, T 8 S, R 16 E (southeastern third of section); Section 1, T 9 S, R 15 E, Section 36, T 8 S, R 15 E (4-1-9-15 to 13-36-8-15); Section 1, T 9 S, R 15 E, Section 36, T 8 S, R 15 E (3-1-9-15 to 14-8-15)

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
April 8, 2009

CULTURAL RESOURCE INVENTORY OF 160 ACRES IN T 8S, R 16E, SECTION 32 FOR INLAND RESOURCES DUCHESNE COUNTY, UTAH

by

Keith R. Montgomery
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February 28, 2001

United States Department of Interior (FLPMA)
Permit No. 00-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-01-MQ-0046s

INTRODUCTION

In February 2001, a cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of 160 acres situated in the Wells Draw locality, Duchesne County, Utah. Inland Resources proposes to develop well locations 2-32-8-16, 3-32-8-16 and 4-32-8-16 along with access roads, and pipelines. The project area occurs on State of Utah, Trust Land Administration (SITLA) land.

The objective of the inventory was to locate, document and evaluate any cultural resources within the project area. This project is carried out in compliance with a number of Federal and State legislation including the Antiquities Act of 1906, the National Historic Preservation Act (NHPA) of 1966, National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was directed by Keith R. Montgomery (Principal Investigator) and assisted by Sarah Ball, Tom Lanford, Greg Nunn, and Jacki Montgomery. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 00-UT-60122 and State of Utah Antiquities Project (Survey) No. U-01-MQ-0046s.

A file search for previous projects and documented cultural resources was conducted by the author at the BLM Vernal Field Office on January 8, 2001. This consultation indicated that a number of archaeological projects have been conducted in the areas surrounding the project area. Archeological-Environmental Research Corporation (AERC) inventoried a gas pipeline in 1984 in the Wells Draw area and recorded two sites (Hauck 1984). AERC completed several oil/gas archaeological surveys on Pariette Bench and along Wells Draw, locating a number of prehistoric and historic sites (Hauck 1996, 1998; Hauck and Hadden 1997). Eligible sites in these project areas include prehistoric sand dune sites and rockshelters. In 1998, JBR Environmental Consultants surveyed six 40-acre well pad locations for Inland Production documenting seven historic sites (Crosland and Billat 1998). Sagebrush Archaeological Consultants conducted a block survey for Inland Resources in 1998, locating six sites of mainly prehistoric affiliation (Cowie, Diamond and Weymouth 1998). Montgomery Archaeological Consultants completed a survey for Inland Resources in 2001, documenting a prehistoric site along with two isolated finds (Montgomery 2001). In summary, previous inventories near the project area have located a variety of prehistoric (rockshelters, quarries, rock art panels, and lithic scatters) and historic (structures, trash scatters, and roads) sites. However, no cultural resources have been documented in the immediate project area.

DESCRIPTION OF PROJECT AREA

The project area lies in the southern Pleasant Valley area of the Uinta Basin, southwest of the town of Myton, Utah. The 160 acre parcel was surveyed for proposed well locations 2-32-8-16, 3-32-8-16, and 4-32-8-16 and will allow Inland Resources an area to situate the final well placement and associated facilities during development. The legal description of the project area is NW/NW, NE/NW, NW/NE, and NE/NE of Section 32, T 8S R 16E (Figure 1).

Topographically, this area consists of highly dissected sandstone and mudstone rock formations and broad sandy silt ridges (Stokes 1986). Geology includes the recent alluvial deposits, the older alluvial terrace deposits, and rock outcrops of the Upper Eocene Uinta Formation. The Uinta Formation occurs as eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossil vertebrate turtles, crocodilians, fish, and mammals. The elevation ranges from 5230 to 5750 feet a.s.l. The primary water source in the area is Pariette Draw and intermittent drainages include Wells Draw and Castle Peak Draw. The project area lies within the Upper Sonoran life zone, dominated by a shadscale community intermixed with low sagebrush, mat saltbrush, greasewood, rabbitbrush, snakeweed, prickly pear cactus, pincushion cactus, and grasses. A riparian zone exists along the washes, and includes cottonwood, Russian olive, and tamarisk. Modern disturbances to the landscape include well locations, access roads, pipelines, and livestock grazing.

The cultural-chronological sequence represented in the study area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.). This stage is characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is implied by the discovery of Clovis and Folsom fluted points (ca.12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate points (ca. 10,000 B.P. - 7,000 B.P.). Near the project area, late paleoindian Alberta and Midland variety projectile point has been documented (Hauck 1998).

The Archaic stage (ca. 8,000 B.P.-1,500 B.P.) is characterized by peoples depending on a foraging subsistence strategy, seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types perhaps reflecting the development of the atlatl in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of widespread Early Archaic exploitation is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000-3000 B.C.) sites in the basin include sand dune sites and rockshelters clustered mainly in the lower White River drainage (Spangler 1995:373). Projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Side-notched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National

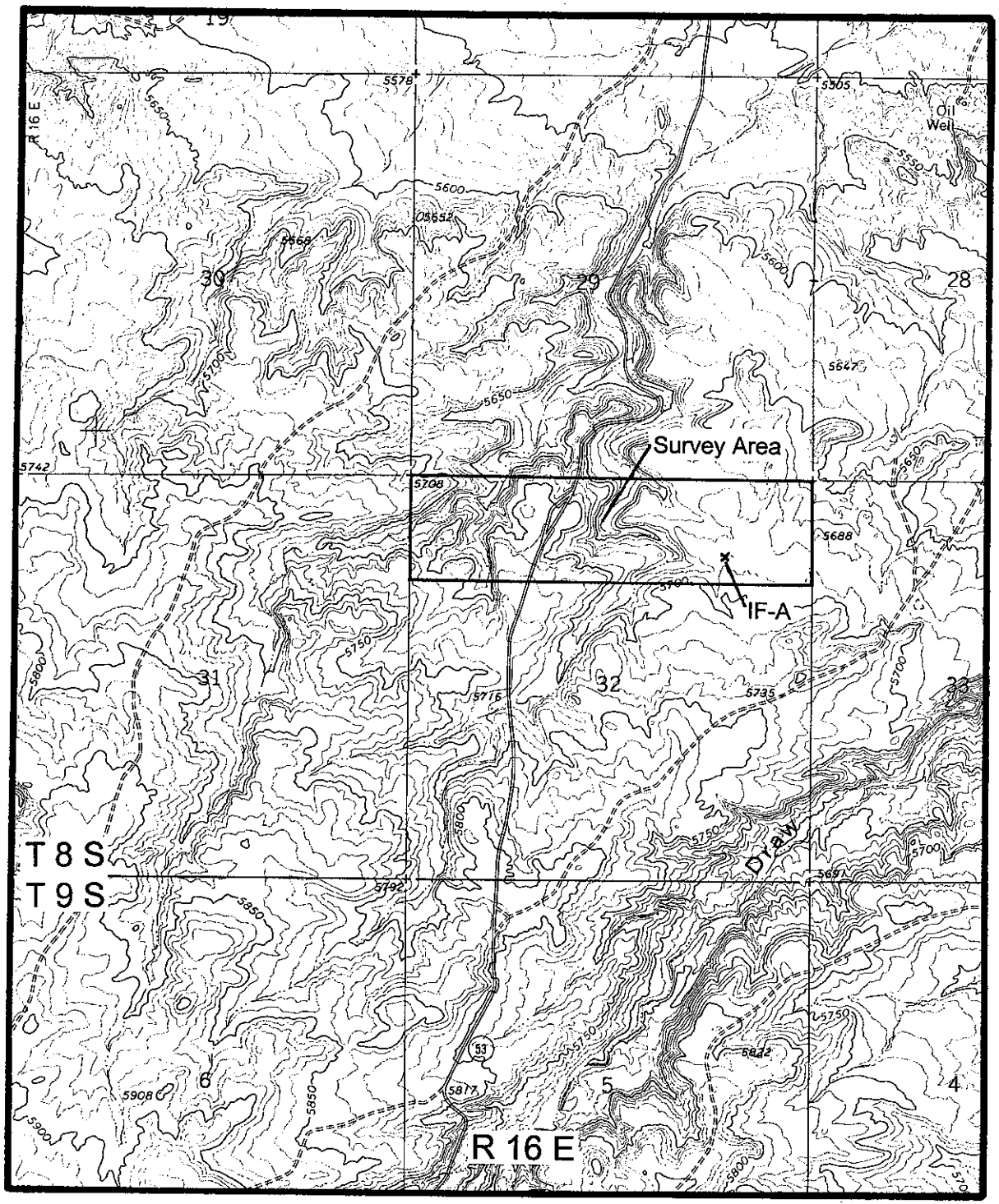

Figure 1. Inventory Area of Inland Resources 160 Acre Parcel in the Wells Draw Locality showing Cultural Resources. USGS 7.5' Myton SW, UT 1964.

Monument, and open campsites along the Green River and on the Diamond Mountain plateau (Spangler 1995:374). The Middle Archaic (ca. 3000-500 B.C.) is characterized by improved climatic conditions and increased human populations on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile points. Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late Archaic period (ca. 500 B.C.-A.D. 550) in the Uinta Basin is distinguished by the continuation of Elko Series atlatl points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cockleburr Wash Site (42Un1476) where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek (Tucker 1986).

The Formative stage (A.D. 500-1300) is recognized in the area by the Uinta Fremont as first termed by Marwitt (1970). This stage is characterized by reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Utah type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn, Reed, and Chandler 1994:130). The Ute appear to have been hunter and gatherers exploiting various fauna and flora resources. According to macrobotanical and faunal data from dated components deer, elk, pronghorn, bison, and small game were acquired (Reed 1994:191). Plant materials thought to have been exploited for food include goosefoot, grass seeds, pinyon nuts, juniper berries, squawbush berries and leaves, hackberry seeds and possibly saltbush seeds, knotweed, chokecherry, and chickweed (Ibid 191).

The settlement of the Duchesne County is unique in the state in that it was not settled by Mormon pioneers, since early scouting parties had deemed the area unfit for settlers. The area was settled in 160 acre parcels under the Homestead Act. Myton, located to the northeast of the project area, started as a trading post on the Uintah Indian Reservation sometime in the mid-1880s. The trading post served a small segment of the Indian population until 1886, when the army, as part of building the road between Price and the newly established Fort Duchesne, built a bridge over the Duchesne River (Barton 1998:154). Myton was originally known as Bridge, and quickly changed from a small, bustling way-station and Indian trading post to a town of tents and a few wooden buildings prior to the opening of the Uintah Indian Reservation around 1905. The settlement attracted people from various parts of the world including Denmark, England, Switzerland, Sweden, Wales, and Germany, as well as many states of the Union (Ibid 156).

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. The 160 acres were examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. Acreage for the project area totals 160 acres, all on SITLA administered land.

INVENTORY RESULTS

The inventory of Inland Resources 160 acres resulted in the documentation of two isolated finds of artifacts (IF-A and IF-B).

Isolated Finds of Artifacts

Isolated Find A (IF-A) is located in the SE/NW/NE of S. 32, T 8S, R 16E (UTM 573578E-4436615N). It includes a tan opaque chert unprepared core with four flakes removed from wide margins (7.0x4.5x1.2 cm)and a tan opaque chert unprepared core with four flakes removed from wide margins (5.5x4.2x1.3 cm).

MANAGEMENT RECOMMENDATIONS

The inventory of Inland Resources 160-acre parcel resulted in the documentation of two prehistoric artifacts (IF-A and IF-B). These cultural resources represent ephemeral use of the area and are considered not eligible to the NRHP due to the lack of additional research potential beyond the artifact descriptions in this report. Based on the findings, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is recommended for this project.

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NEWFIELD EXPLORATION COMPANY

PALEONTOLOGICAL SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, AND PROPOSED PIPELINE ROUTES DUCHESNE & UINTAH COUNTIES, UTAH

Area Surveys

Section 32, T 8 S, R 16 E (NE 1/4, NE 1/4); Section 36, T 9 S, R 16 E (SW 1/4, NE 1/4); Section 8, T 9 S, R 16 E (NW 1/4, SW 1/4); Section 29, T 9 S, R 17 E (SW 1/4, NW 1/4); Section 35, T 9 S, R 17 E (SW 1/4, NE 1/4); Section 32, T 9 S, R 18 E (SW 1/4, NE 1/4); Section 8, T 6 S, R 20 E (SE 1/4, NE 1/4); Section 12, T 9 S, R 16 E (SW 1/4, NW 1/4), Section 1, T 8 S, R 16 E (1-32-8-16)

Proposed Water Injection Pipeline Surveys

Sections 25 & 36, T 9 S, R 16 E (15-25-9-16 to 7-36-9-16); Sections 29 & 32, T 9 S, R 18 E (14-32-9-18 to 7-32-9-18); Section 8, T 6 S, R 20 E (7-8-6-20 to 8-8-6-20); Section 33, T 8 S R 17 E (42-33-8-17); Section 32, T 8 S, R 17 E (two lines, southern half of section)

Water and Gas Pipeline Survey

Section 32, T 8 S, R 16 E (southeastern third of section); Section 1, T 9 S, R 15 E, Section 36, T 8 S, R 15 E (4-1-9-15 to 13-36-8-15); Section 1, T 9 S, R 15 E, Section 36, T 8 S, R 15 E (3-1-9-15 to 14-8-15)

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
April 8, 2009

Report of Paleontological Survey **4/8/09**

INTRODUCTION

The present report is a combination of ones that include paleontological area surveys, water injection and pipeline tie-ins as well as gas and water pipeline surveys. Requests for these surveys were made at various times over the past two months. Some of the work requested has already been done, with a report sent in to the Newfield Exploration Company as well as to the Salt Lake City and Vernal offices on March 5, 2009. Bad weather delayed earlier surveys after the previously reported work was completed. Requests for paleontological survey work by Newfield was sent to Wade Miller via e-mail by Mandie Crozier of the Newfield Exploration Company's Myton office. Included areas surveyed for the present report are: Area Surveys - Section 32, T 8 S, R 16 E (NE 1/4, NE 1/4); Section 36, T 9 S, R 16 E (SW 1/4, NE 1/4); Section 8, T 9 S, R 16 E (NW 1/4, SW 1/4); Section 29, T 9 S, R 17 E (SW 1/4, NW 1/4); Section 35, T 9 S, R 17 E (SW 1/4, NE 1/4); Section 32, T 9 S, R 18 E (SW 1/4, NE 1/4); Section 8, T 6 S, R 20 E (SE 1/4, NE 1/4); Section 12, T 9 S, R 16 E (SW 1/4, NW 1/4); Section 1, T 8 S, R 16 E (1-32-8-16). Proposed Water Injection Pipeline Surveys - 25 & 36, T 9 S, R 16 E (15-25-9-16 to 7-36-9-16); Sections 29 & 32, T 9 S, R 18 E (14-32-9-18 to 7-32-9-18); Section 8, T 6 S, R 20 E (7-8-6-20 to 8-8-6-20); Section 33, T 8 S, R 17 E (42-33-8-17); Section 32, T 8 S, R 17 E (two lines, southern half of section). Water and Gas Pipeline Survey - Section 32, T 8 S, R 16 E (southeastern third of section); Section 1, T 9 S, R 15 E, Section 36, T 8 S, R 15 E (4-1-9-15 to 13-36-8-15); Section 1, T 9 S, R 15 E, Section 36, T 8 S, R 15 E (3-1-9- 15 to 14-8-15).

All the above areas have now received a paleontological field survey. The field work involved took place on March 31st and April 1st, and on April 6 and 7th, 2009. It is once more pointed out here that previous reports have recorded the paleontological procedures used in these surveys dating back to 1999. Thus, only a summary of these procedures is here included. The more

detailed procedures and information relating to paleontology of the Uinta Basin can be found in reports submitted by Wade Miller during the period of 1999 through 2003. These reports are on file with the Newfield Exploration Company (including this company's predecessor, the Inland Production Company) as well as in the Salt Lake City and Vernal, Utah, Bureau of Land Management offices.

The Uinta Formation, the geologic formation that represents almost all sediment exposures in the Uinta Basin (except some of Pleistocene age, especially in Wells Draw), is regarded as one of the top few most paleontologically sensitive formations in Utah. It has provided much scientifically valuable information on past life in eastern Utah and beyond during the late Eocene period (roughly 40 to 45 million years ago). A Mammalian Age for all North America is based on the fauna that has been recovered from the Uinta Basin. While many types of diverse animals and plants have been discovered, new discoveries are certain with additional field work. Some of the specific types of plants and animals found on Newfield's oil and gas leased lands have been cited in earlier reports by the present author. The importance of protecting scientifically significant fossils, and the Federal and State laws regarding their protection, has also been given in earlier reports. The Bureau of Land Management (BLM) Paleontological Resources Use Permit number under which the present field work was done is: #UT06-003C (this permit was extended on March 20, 2009, with a new expiration date of December 31, 2011). All the significant fossils that have been found during the paleontological field surveys, have been collected and brought to Brigham Young University (BYU). There, they have been (or are being) prepared and curated, and integrated into the paleontological collections. BLM Paleontological Report forms have also been completed and submitted to the above BLM offices regarding these fossils. BYU has been a Federally recognized repository for fossils for many years. That is, fossils discovered and collected by Federal permit can legally be stored and studied here.

PALEONTOLOGICAL FIELD SURVEY

In the present paleontological field survey work, the same paleontological procedures were

followed as in all earlier ones. To wit, each of the designated quarter, quarter sections are carefully walked over looking for any fossil evidence. Specifically, this covers any area where the Uinta Formation is exposed. Notes are kept as the survey proceeds over each of the quarter, quarter sections covered. Important fossils when found are photographed *in situ*, bagged, or plaster jacketed, and marked. A GPS reading is also taken at the exact location of each. The site is then marked on a USGS Topographic map, with a field locality number given. Although the present survey covered a very widespread area, fossil finds were scarce. And the fossils that were found are not considered of significant paleontological importance. The most abundant fossils found were ichnites of various types. Since no specimens warranted, photos were not taken, nor were GPS readings made.

In situations where surveyed quarter, quarter sections are essentially the same in terms of their physical features, units of exposed Uinta Formation are basically alike, and no significant fossils are present, then two or more of these 40 acre units are combined for reporting purposes. This proved to be the case in the current paleontological field survey. It has been observed, and noted here, that exposures in Newfield's oil and gas leased lands in the western region (areas covered in the present survey) are less fossiliferous than is the case in the eastern area. In the present paleontological field survey, it was seen that only some of Newfield's proposed well pad sites in addition to proposed access roads and water and gas line routes were marked by stakes and flagging. Where there is no such marking, the entire quarter, quarter section is surveyed. Pipeline routes are surveyed at least for 100 feet on either side of the proposed line. This distance is expanded if the Uinta Formation has exposures somewhat beyond the 100 feet.

As usual, both USGS Topographic maps and Newfield's planimetric map of the roads and wells were used in the survey. The former type of maps used in the present survey were the Myton SE 7.5' and Myton SW 7.5' quadrangles published in 1964, and the Wilkin Ridge 7.5' quadrangle published in 1965 (see appended maps for areas covered in the presently reported survey). Wade Miller performed the paleontological field survey for this report alone.

REPORT OF AREAS SURVEYED

Section 1, T 8 S, R 16 E

NE 1/4, NE 1/4, Section 1, T 8 S, R 16 E (1-32-8-16)

This quarter, quarter section is situated on essentially flat ground, with the proposed well pad site beginning about 60 yards to the east of an existing road. The proposed access road and accompanying pipeline route leading to it are therefore relatively short. They were surveyed along with the proposed well pad site. The entire surveyed area has a sparse and low growing vegetation. This vegetation is growing on a sandy and rocky soil. There are no exposures of the Uinta Formation anywhere in the area. No fossils would be expected here, and none were found.

Section 8 T 6 S, R 20 E

SE 1/4, NE 1/4, Section 8, T 6 S, R 20 E (7-8-6-20 to 8-8-6-20)

The paleontological survey of this quarter, quarter section and with its associated access road and pipeline route were done in conjunction with each other. It also included another proposed pipeline route leading to the staked well pad site. The proposed routes extend east from State Route 88 to the proposed well pad site. The area involved occupies a modest relief, showing small elevational changes. Soil in this area varies from sandy to gravelly. Vegetation throughout is relatively sparse. It consists mainly of low to moderate height brush and bunch grass, with minor Compositae and rare cactus. Some intermittent outcrops of Uinta Formation sandstone is present. The only fossils observed in these sandstones over the entire area were small unidentified invertebrate trails and burrows.

Section 36, T 9 S, R 16 E

SW 1/4, NE 1/4, Section 36, T 9 S, R 16 E (7-36-9-16), with proposed pipeline

A proposed well pad site was surveyed for this quarter, quarter section, as well as a proposed pipeline route leading to it from the north (see attached map). As no staking for the well pad site or for the proposed pipeline existed at the time of the paleontological survey, the entire quarter, quarter section was covered in addition to a reasonable corridor for the pipeline. This proposed pipeline runs almost due north of the proposed well pad site. The length of the pipeline route is approximately 2,350 feet. With the exception of a narrow, flat-topped ridge running north-south along the southwest portion of the SW 1/4, NE 1/4 of Section 36, this unit is a gradually sloping one. This gradual slope continues for the length of the proposed pipeline as it heads north. Soil over the area ranges from sandy, to gravelly, to rocky. Vegetation throughout is relatively sparse and low growing. It mostly is composed of stunted brush, with some grasses, Compositae and occasional cactus. Some outcrops, mostly discontinuous, of Uinta Formation sandstones, occur in the areas, especially along the aforementioned ridge. The only fossils noted were a few mollusc borings in the sandstone.

Section 29, T 9 S, R 17 E

SW 1/4, NW 1/4, Section 29, T 9 S, R 17 E (17-29T-9-17)

This quarter, quarter section contains a proposed well pad site, and proposed short access road with accompanying pipelines. The site for these planned developments mostly lies on flat ground. However, the southeast corner of the well site rests on a rocky slope, while the northern margin incorporates a ravine slope. The vegetative cover over this area is sparse. It is also all low growing. As is typical of the region, brush prevails with some bunch grass, Compositae and minor cactus. Soil ranges from gravelly to rocky with some sand. There are places where the Uinta Formation has exposures. These are in the southeast and north of the borders of the staked well site. Sandstones are the only rock type present. Some of these contain invertebrate trace fossils, with mollusc bore and fill structures being the most common. Other unidentified

invertebrate trace fossils are present in small numbers.

Section 35, T 9 S, R 17 E

SW 1/4, NE 1/4, Section 35, T 9 S, R 17 E (7-35-9-17)

This proposed well pad site, and that of the general area, exists on flat terrain. A proposed very short access road and ancillary pipelines are also included. All were surveyed. The soil appears to be relatively thick (including the underlying alluvium). It varies in composition from sandy to gravelly. Vegetation is all of low growth. It consists mainly of Compositae in the area, with bunch grass, minor brush and cactus. There are no exposures of Uinta Formation anywhere at or adjacent to the proposed well pad site. No fossils are present here.

Section 32, T 9 S, R 18 E

SW 1/4, NE 1/4, Section 32, T 9 S, R 18 E (7-32-9-18)

This proposed well pad site is accompanied by a nearly one mile long proposed pipeline route (see attached map). Roughly 2,220 feet of this route runs east from an existing north-south road to the proposed well pad. The other portion of this pipeline route parallels this road, running adjacent to it on the east. Throughout the one mile length, the proposed pipeline corridor crosses a relatively thick rocky soil. The topography of this route and that of the proposed well pad site is a gently to moderately undulating one. Soil over the area is gravelly to rocky. The vegetative cover is all of low growth. Brush and Compositae are the more abundant types. Cactus is common along with bunch grass, however. Neither the proposed pipeline route, nor the proposed access road leading to the well site crosses exposed Uinta Formation beds. While this same condition holds true for much of the well pad site proper, its north and northeast portion are on exposed Uinta sandstones, siltstones and mudstones. The sandstones contain the ubiquitous mollusc boring and filling structures, and the mudstones contain some weathered fossil turtle

shell fragments on the surface.

Section 33, T 8 S, R 17 E

SE 1/4, NE 1/4, Section 33, T 8 S, R 17 E (42-33-8-17)

Although the proposed pipeline leading to the existing and operating well at 42-33-8-17 was not staked, the large scale map provided by Newfield, with the proposed line marked on it, was sufficient for the paleontological survey (see attached map). The land surface where this line would run is a slightly uneven one. Soil, where present, is sandy to rocky. Vegetation varies from sparse, where some thin soil is present, to very sparse, where there is almost none. Most of the proposed pipeline route is over exposed, albeit low-lying, Uinta Formation sandstones and mudstones. The exposures of these were carefully inspected for fossils. Invertebrate trace fossils, especially mollusc borings and fillings, are very abundant in the area in some sandstones. A few pieces of isolated fossil turtle shell are also in evidence. Additionally, two fragments of well-weathered fossil bone were found. These could represent either a crocodile or large mammal. There appears to be no other trace of a large vertebrate.

Section 12, T 9 S, R 16 E

SW 1/4, NW 1/4, Section 12, T 9 S, R 16 E (12-12J-9-16)

A water injection well site was previously built in this quarter, quarter section (which is still in place). The land surface adjacent to this site slopes gently to the north. Where the well site here was prepared, rock lying beneath a thin soil was fragmented and now makes up a flat surface. Soil throughout the SW 1/4, NW 1/4, is thin. It supports a moderate vegetal cover that is all very low growing. Compositae constitutes the bulk of this vegetation. Additionally, it consists of brush, bunch grass and some small patches of cactus. The rock fragments at the present water injection well, that also cover the adjacent land area, are primarily of siltstone from the Uinta

Formation that lies just beneath the thin soil. Rocks that were pushed into a border for the injection well site show invertebrate trails and burrows. Two arroyos to the north and east in this quarter, quarter section expose some sandstone units beneath the siltstone. These sandstone layers exhibit a few fossil mollusc boring and fill features.

Section 8, T 9 S, R 16 E

NW 1/4, SW 1/4, Section 8, T 9 S, R 16 E (12-8T-9-16)

An operating well currently occupies a part of the NW 1/4, SW 1/4, of Section 8, and is designated as 12-8-9-16. The newly proposed well pad site is positioned to the immediate south of it. This new well site is located on a low ridge and ridge slope (which dips toward the existing well). The surface here is one of a rocky soil, composed mainly of siltstone clasts. Vegetation in the area is sparse to moderate in abundance. All the plants are low growing. Primarily, these plants are Compositae and bunch grass. Some brush and cactus also exist, though. A small east-west trending arroyo runs along the north side of the new (proposed) well pad site at 12-8T-9-16. It is here that the only *in situ* Uinta Formation exposures are present in the area. These, though, area limited to minor fine sandstones. No fossils were observed in any of the exposed rocks in the general area of the proposed well pad site.

Section 1, T 9 S, R 15 E, and Section 36 T 8 S, R 15 E

NE 1/4, NW 1/4, Section 1, T 9 S, R 15 E to SE 1/4, SW 1/4, Section 36, T 8 S, R 15 E (3-1-9-15 to 14-36-8-15)

Proposed water and gas pipelines would run between the quarter, quarter sections listed above. They run north from 3-1-9-15 to 14-36-8-15. The proposed gas pipeline would be about 2,170 feet in total length, and the proposed water line approximately 1,490 feet (see attached map). An existing water injection well is situated in 3-1-9-15. The soil is mostly rocky with a sandy matrix.

It supports a sparse to moderated plant cover. Plants continue to be as types already mentioned at sites above. A few outcrops of Uinta sandstone and mudstone occur along the proposed pipeline route. However, no fossils were noted in the few exposures present.

SW 1/4, NW 1/4, Section 1, T 9 S, R 15 E to SW 1/4, SW 1/4, Section 36, T 8 S, R 15 E (5-1-9-15 to 13-36-8-15)

Just as at the last site in Section 1, T 9 S, R 15 E, proposed water and gas pipelines are to run north from this site. In this instance the proposed water line (about 2, 990 feet) would extend from a current water injection well at 5-1-9-15 to a presently operating oil well at 1-4-9-15 (see attached map). Here the proposed water pipeline and gas pipeline (about 1, 850 feet) would run north to 13-36-8-15. The soil, plant cover and type are basically identical to those of the proposed joint water and gas pipeline going from 3-1-9-15 to 14-36-8-15. Uinta Formation exposures (sandstones) are very minimal, and exceptionally low-lying. No fossils were seen anywhere along the proposed water and gas pipeline route.

Section 32, T 8 S, R 17 E

Two separate proposed injection pipeline routes have been designated for Section 32 in the above township and range (see attached map). One of these extends for one-quarter mile plus in the southeast corner of this section. Most of the proposed pipeline route exists on relatively flat land, but then slopes sharply at its southern terminus where it meets a paved county road. Limited soil is sandy, but includes clasts of various sizes from underlying rock units along the route. Vegetation is sparse due to this limited soil. It is all low-growing. Types include isolated brush and bunch grass, with limited Compositae. The Uinta Formation is widely exposed on either side of the proposed shorter segment of the Blackjack injection line, which had previously been marked with small yellow flags. These exposures are all low, and consist mainly of sandstones. However, small patches of underlying mudstone are also present. Boring and fill structures, presumably made by fossil molluscs living in streams, are present in some of the exposed

sandstones, and in derived clasts. These usually are about one-half to three-quarters of an inch in diameter. Some scattered fossil turtle shell fragments, all markedly weathered, were seen in a few spots along the proposed short pipeline. Additionally, a small piece of a probable mammal bone from a medium-sized animal, was observed. However, it is from the middle of a limb bone and appears to be unidentifiable.

The larger segment of proposed injection pipeline in Section 32, T 8 S, R 17 E runs from the SW 1/4, NE 1/4, to the SE 1/4, SW 1/4. Unlike the shorter proposed pipeline above, this one parallels existing roads. One is the same county road where the shorter line terminates, and the other is an oilfield road. Where the proposed longer line is to run, previous activity from heavy equipment (probably a grader) has obscured the originally exposed ground. However, it seems that this was mostly soil. Back from the disturbed ground there are places where Uinta Formation is present within the 100 yard zone. The proposed pipeline route largely lies near the base of a moderately high ridge. Vegetation here is very similar to that along the shorter line in the southeastern part of Section 32. The only fossils noted in these beds (sandstones) were locally abundant mollusc boring and fill features that are common throughout the Uinta Basin.

Section 32, T 8 S, R 16 E

The proposed Ashley Gas Pipeline in Section 32, T 8 S, R 16 E extends for about eight-tenths of a mile diagonally across its southeastern part (SE 1/4, SW 1/4 through NE 1/4, SE 1/4 (see attached map). Soil along this proposed pipeline route is mostly sandy, but does contain rock fragments from underlying, unexposed Uinta Formation sandstones. The vegetation all along the proposed route is of low growth, and relatively sparse in abundance. It's comprised of brush, Compositae, isolated grasses, and small patches of very low-growing cactus. Some of this area where the Ashley gas pipeline will run has previously been gone over by heavy equipment. Presently there are some surface pipelines along the route. No original exposures of Uinta Formation are present anywhere along this proposed gas pipeline corridor. No fossils would be expected in this area where there is no exposed Uinta Formation. None were observed.

RESULTS OF PALEONTOLOGICAL SURVEY

A widespread land area was covered for this report, covering a number of quarter, quarter sections. While fossils were found in several areas during this extensive survey, all were either trace fossils representing mostly unidentified freshwater invertebrate animals, or else were weathered fossil turtle shell fragments. Additionally, two pieces of badly weathered large vertebrate bones (probably either crocodile or mammal) were found at the 42-33-8-17 site. These, however, are unidentifiable even to the bone represented.

RECOMMENDED MITIGATION

Fossils were found in some areas surveyed for the present report. However, none are considered of significant scientific value. It is for this reason that it is thought that there is no paleontological reason why the Newfield Exploration Company cannot proceed with developing all the above areas designated in this report as they have planned. As usual, though, if vertebrate fossils or reasonably complete plant fossils are uncovered during any excavation activity, this needs to be reported to a qualified paleontologist and/or to the Bureau of Land Management Vernal office immediately.

Wade E. Miller

Wade E. Miller
April 8, 2009

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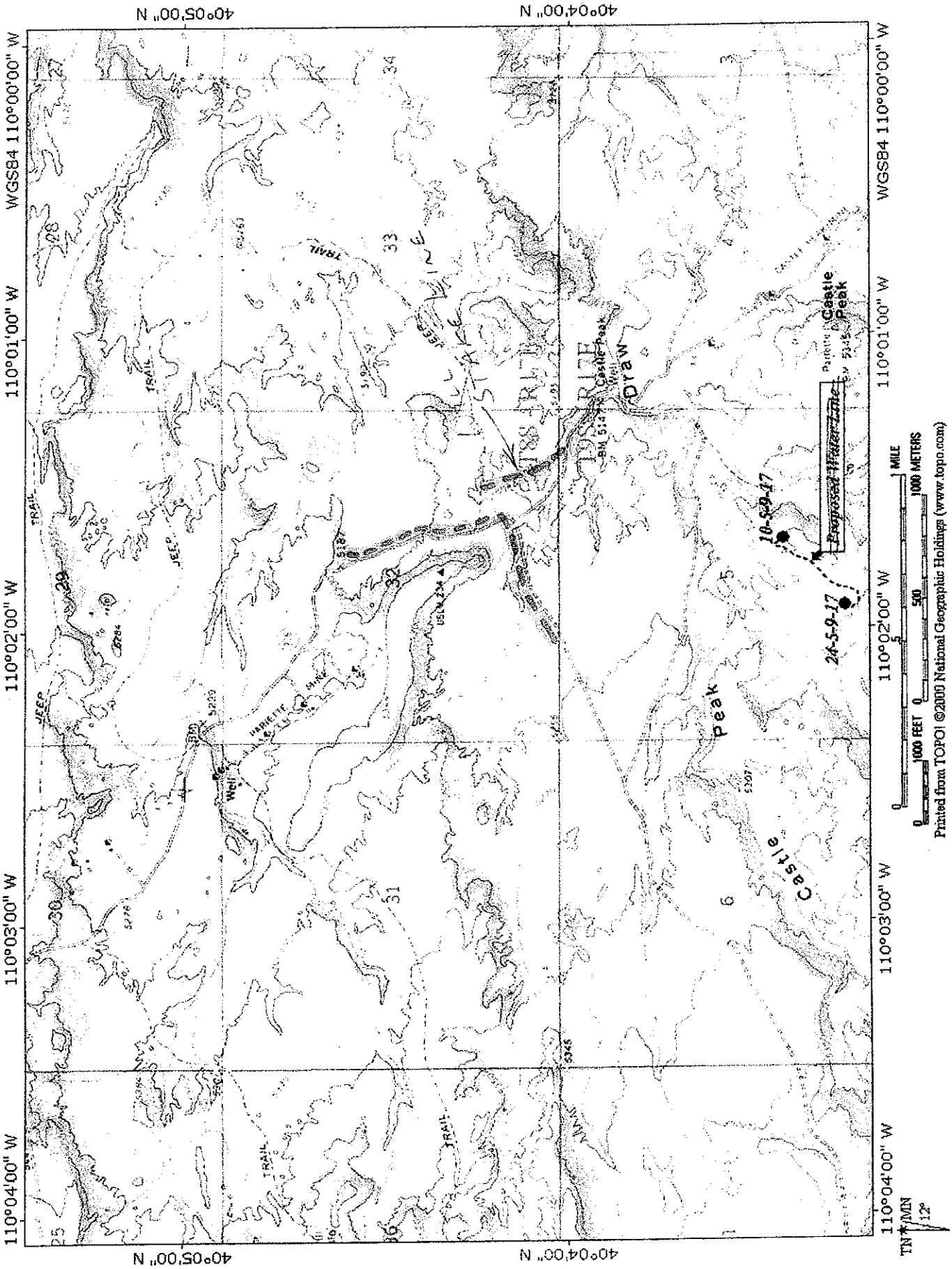

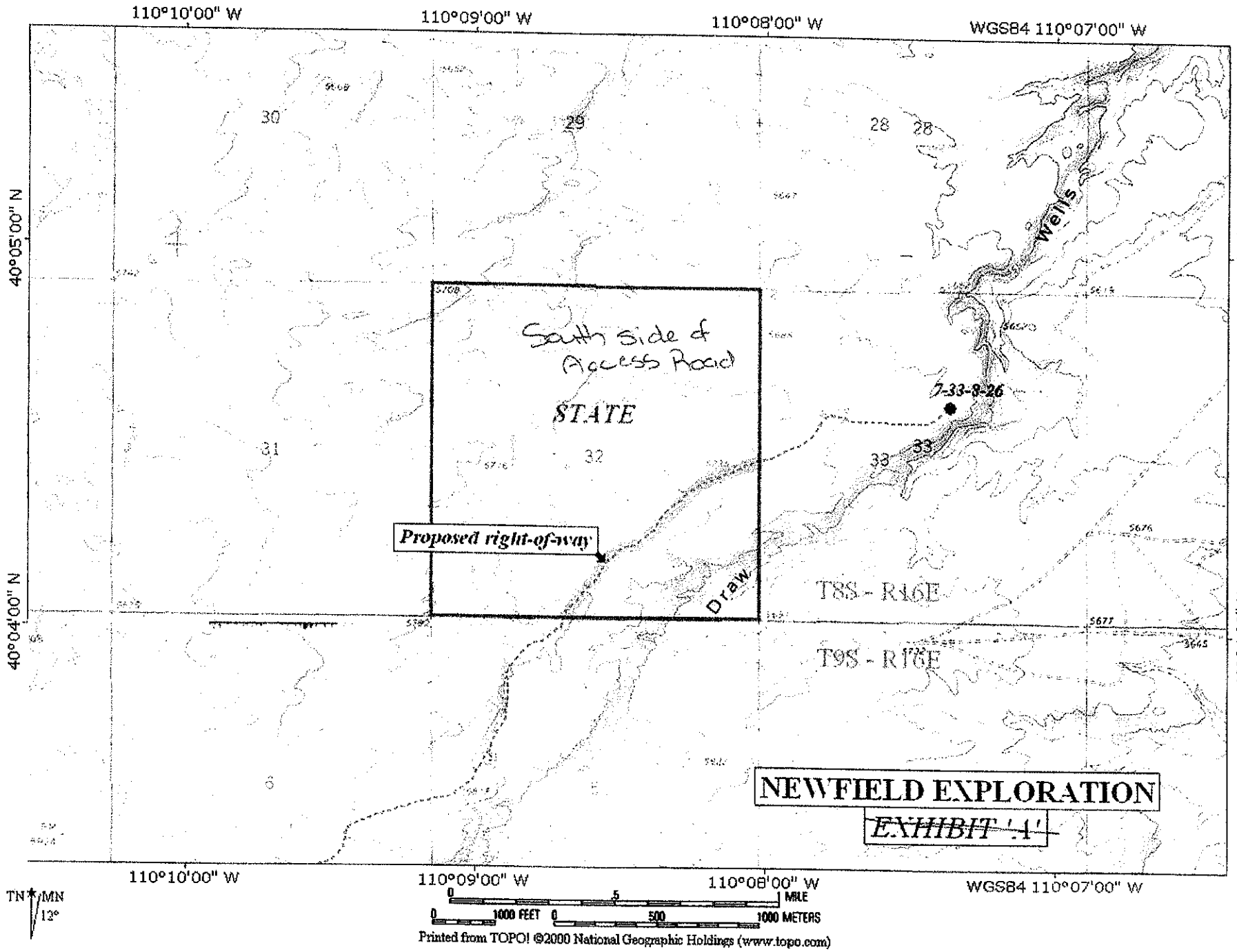

API Well No: 43013501570000

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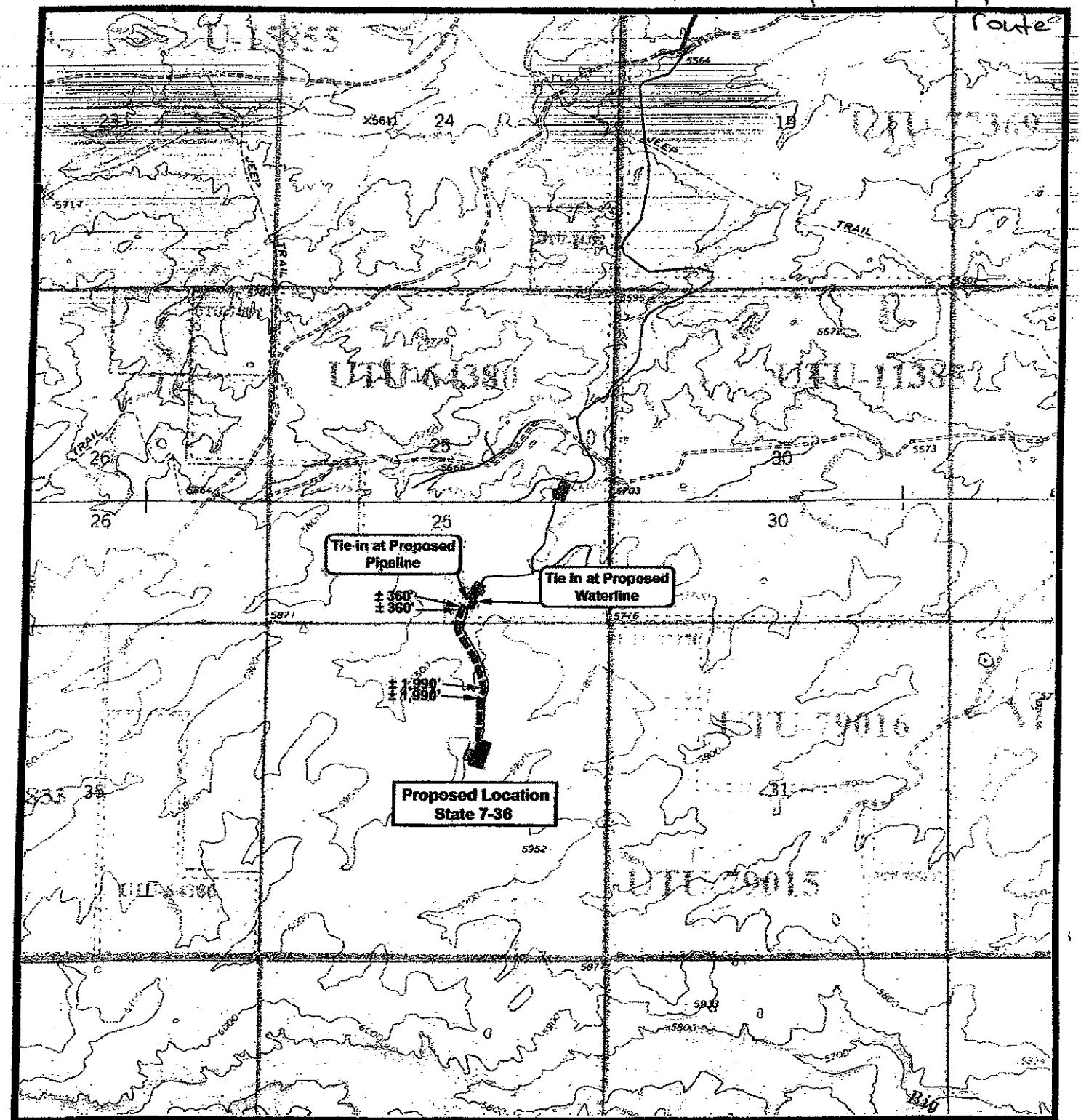
40 acre parcel + pipeline route



Newfield Exploration Company

State 7-36-9-16
SEC. 36, T9S, R16E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 12-18-2008

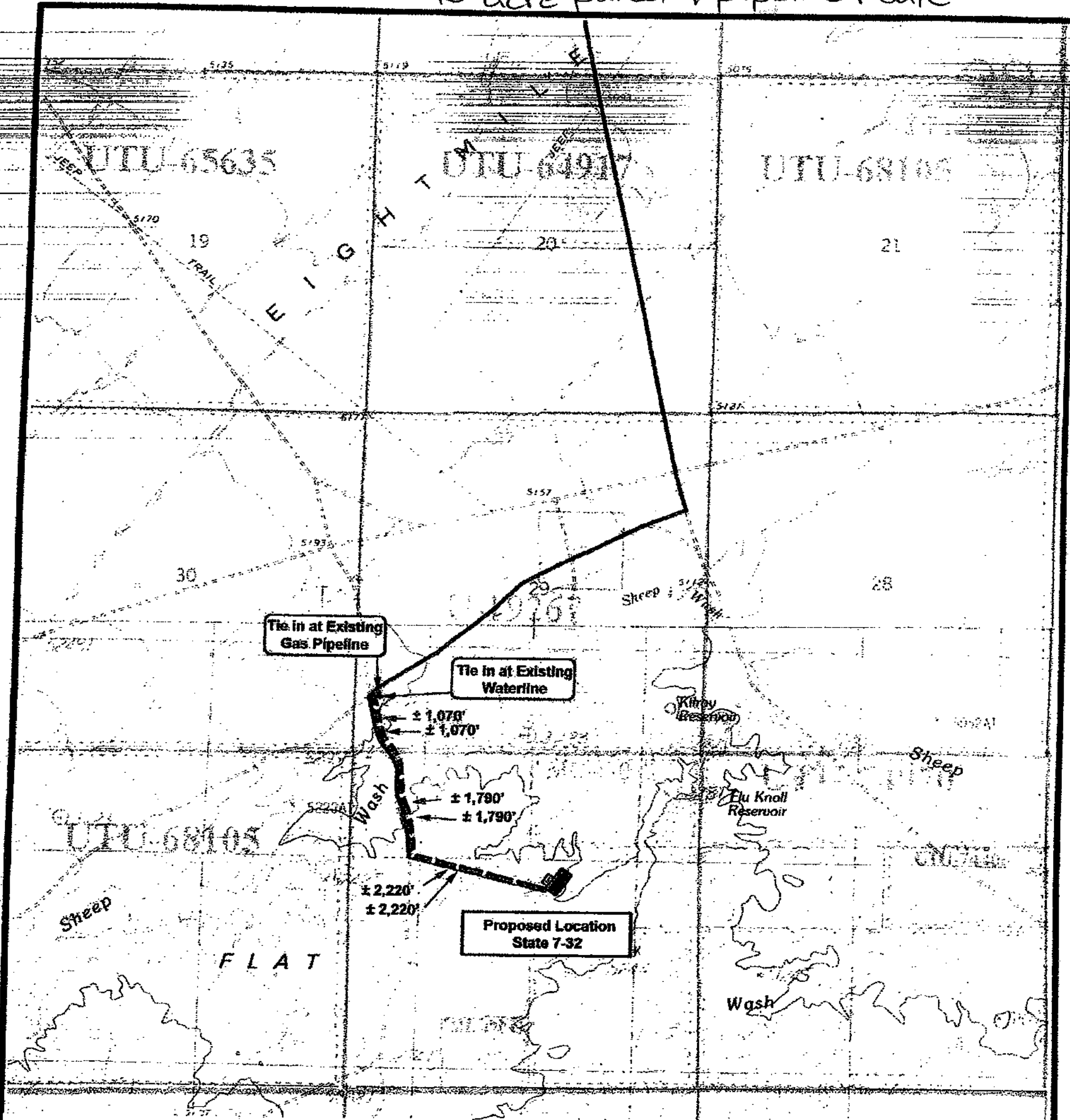
LEGEND

Roads
Proposed Gas Line
Proposed Water Line

TOPOGRAPHIC MAP
"C"

'APIWellNo:43013501570000'

40 acre parcel + pipeline route



Newfield Exploration Company

State 7-32-9-18
SEC. 32, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 12-18-2008

Legend
Roads
Proposed Gas Line
Proposed Water Line

TOPOGRAPHIC MAP
"C"

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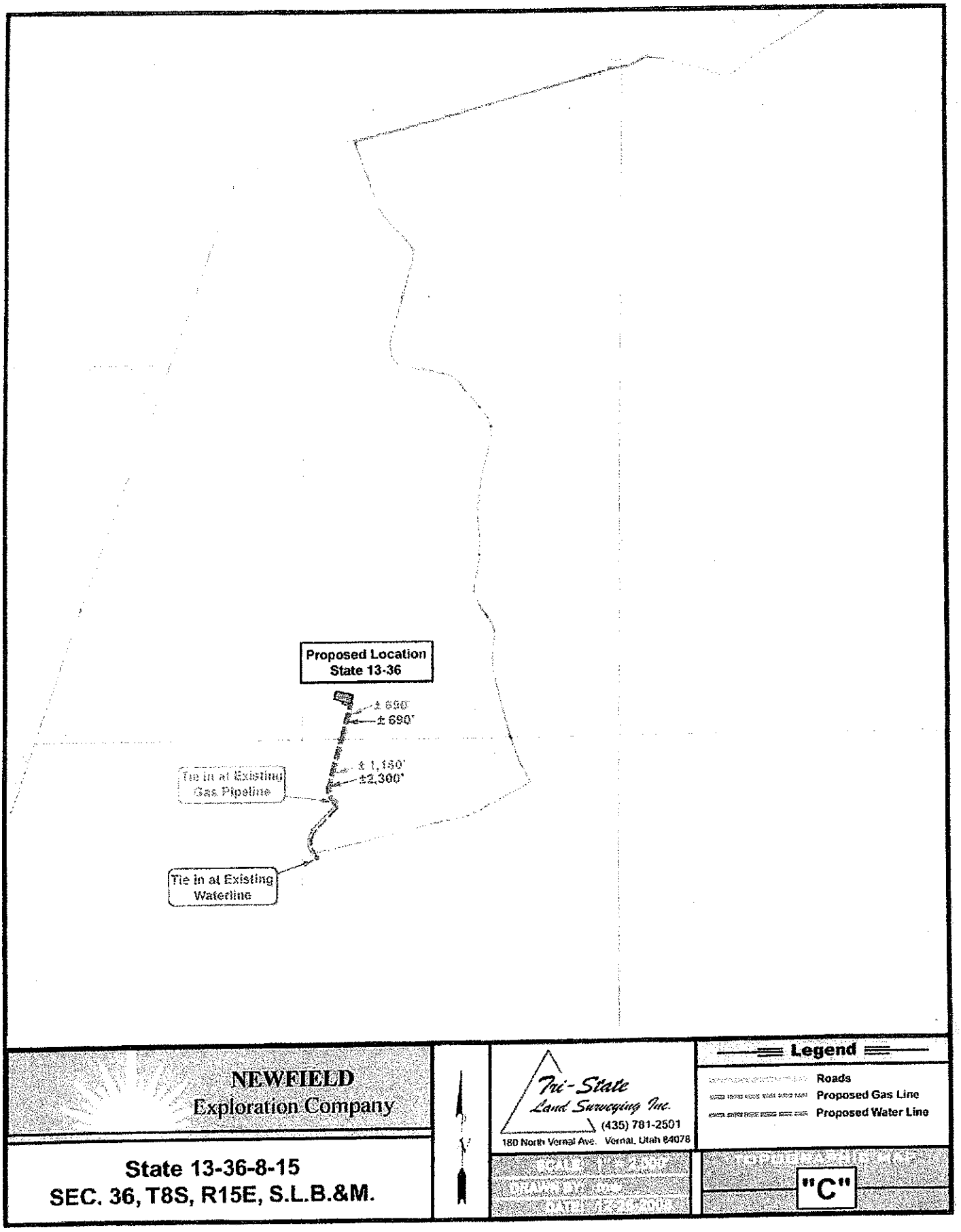

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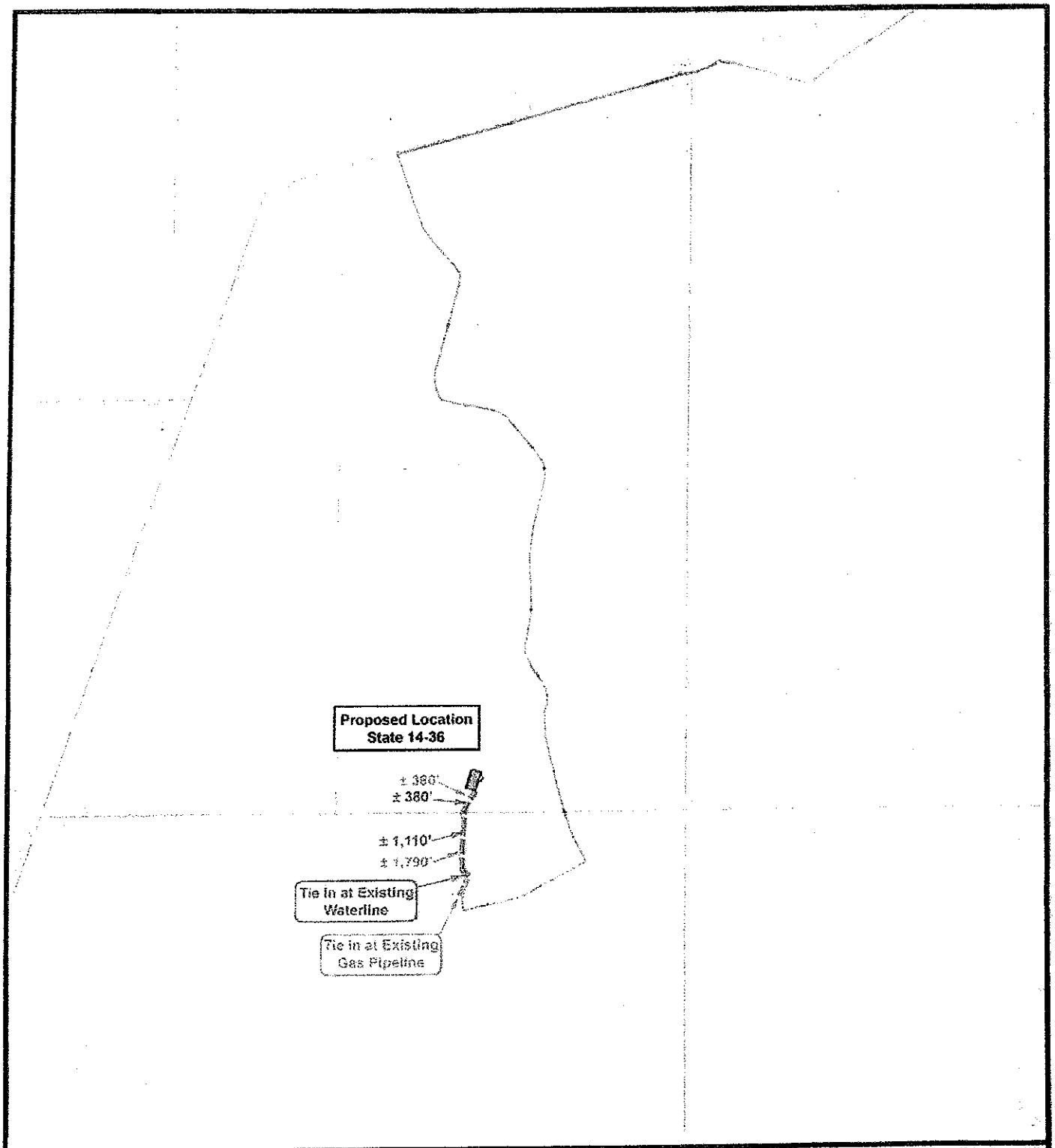


NEWFIELD
Exploration Company

State 14-36-8-15
SEC. 36, T8S, R15E, S.L.B.&M.

N

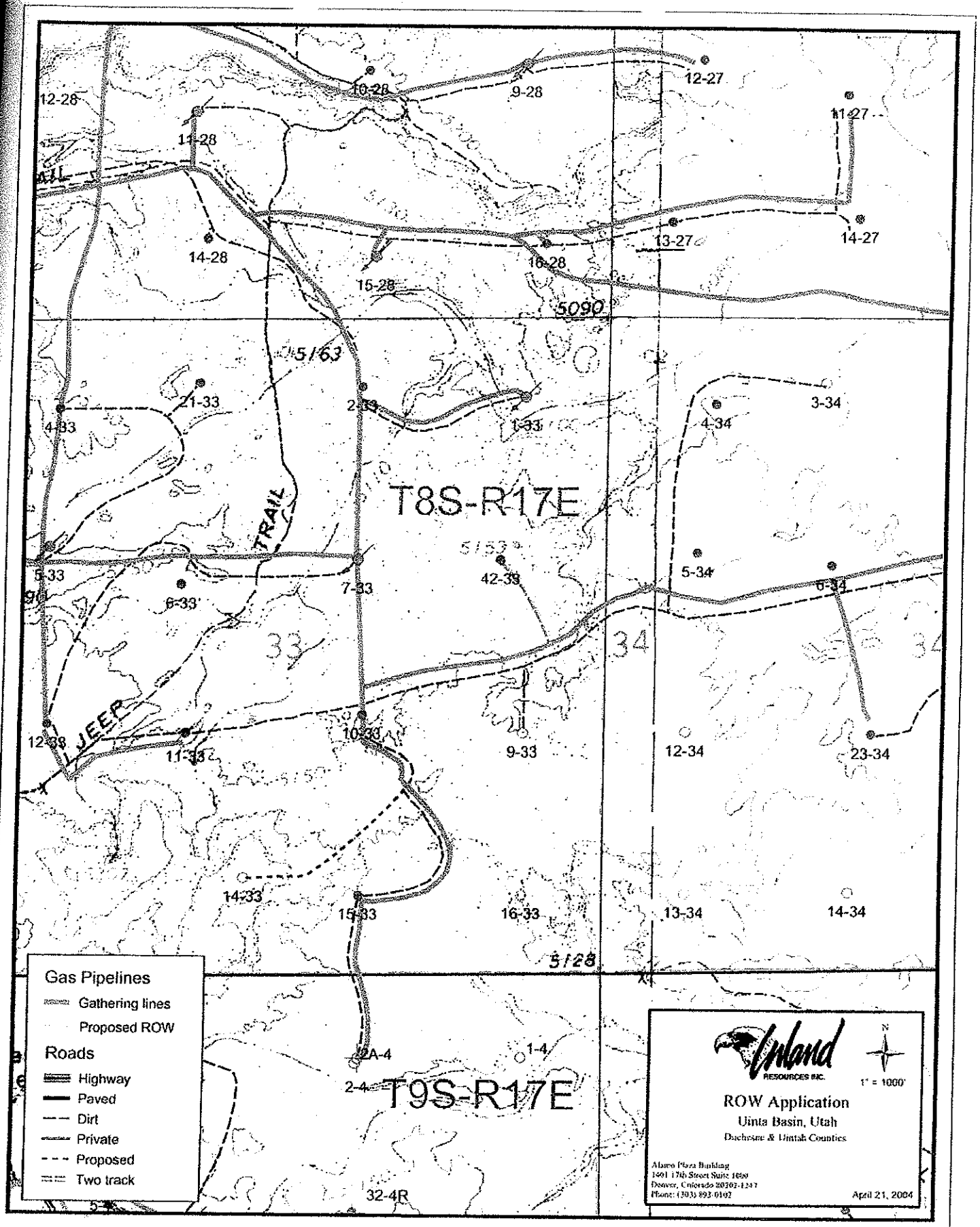
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend

Roads
Proposed Gas Line
Proposed Water Line

"C"

WellNo:43013501570000’



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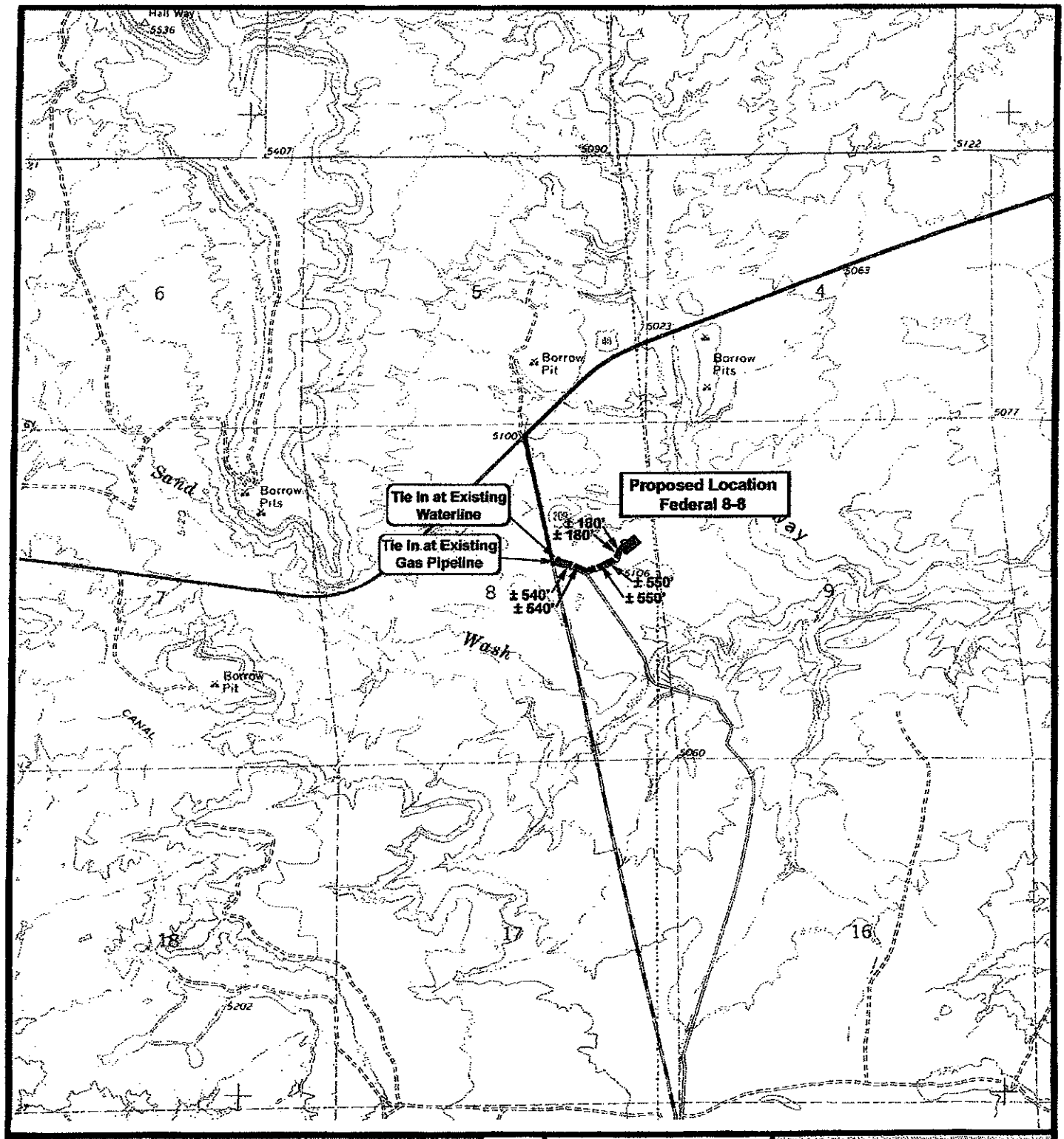

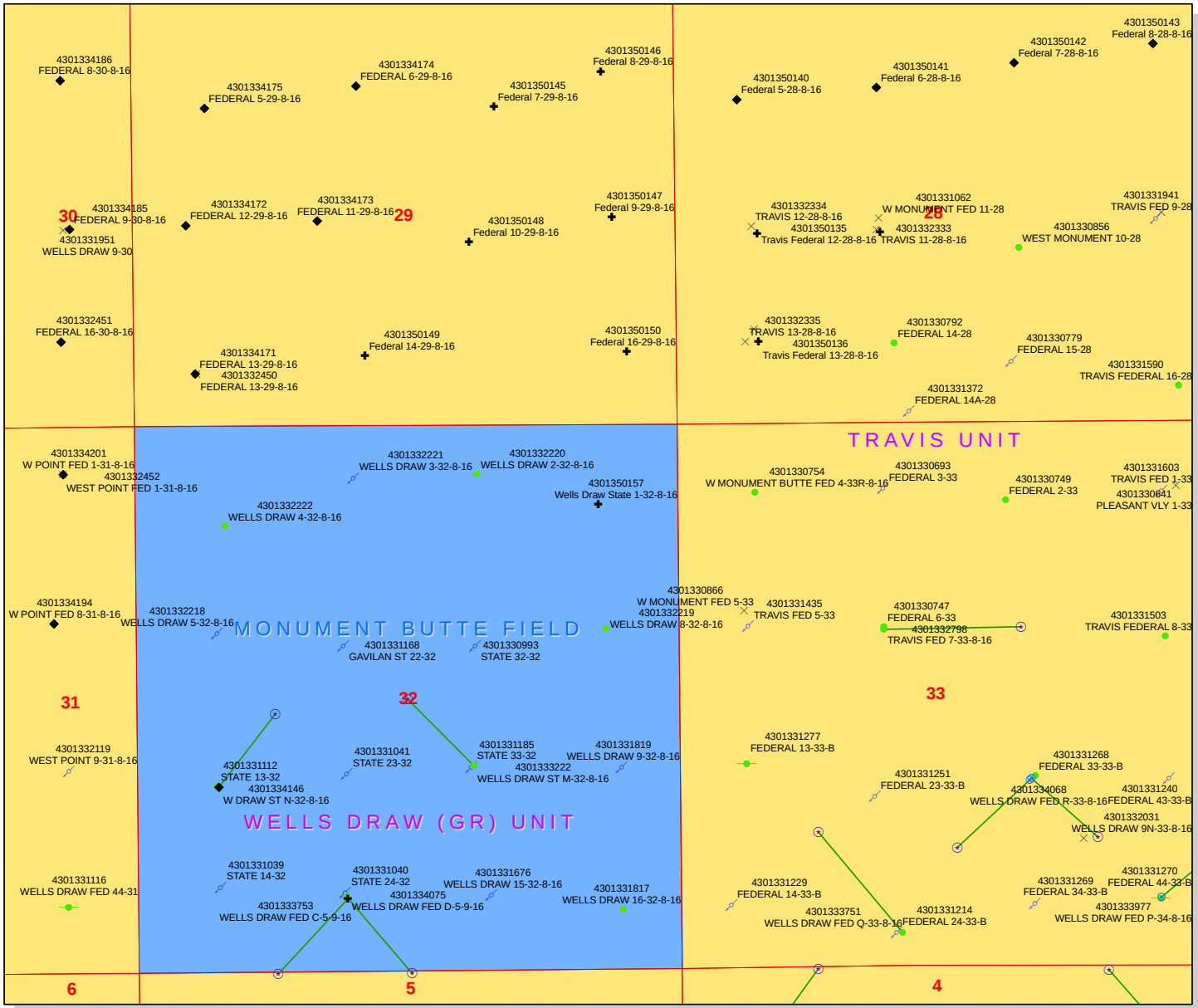

API Number: 4301350157

Well Name: Wells Draw State 1-32-8-16

Township 08.0 S Range 16.0 E Section 32

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
ACTIVE
COMBINED
Sections

Wells Query Events
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DRL
GI
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NEW
OPS
PA
PGW
POW
RET
SGW
SOW
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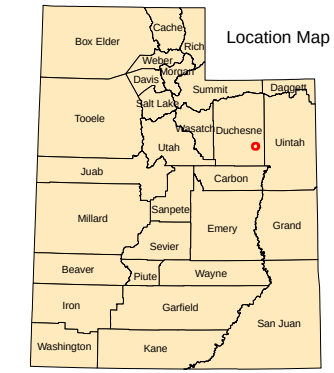
TW
WD
WI
WS

Location Map



1,200 600 0 1,200 Feet

1:12,000

'APIWellNo:43013501570000'

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 2, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2009 Plan of Development Wells Draw Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2009 within the Wells Draw Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Green River)

43-013-50157 Wells Draw State 1-32-8-16 Sec 32 T08S R16E 0769 FNL 0776 FEL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File – Wells Draw Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-2-09

From: Jim Davis
To: Bonner, Ed; Mason, Diana; teaton@newfield.com
Date: 12/1/2009 5:15 PM
Subject: Wells Draw State 1-32-8-16 approval

CC: Garrison, LaVonne

The following well has been approved by SITLA including arch and paleo clearance.

Wells Draw State 1-32-8-16 (API 4301350157)

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

BOPE REVIEW NEWFIELD PRODUCTION COMPANY ells Draw State 1-32-8-16 43013501570000

Well Name	NEWFIELD PRODUCTION COMPANY Wells Draw State 1-32-8-16 430135			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	700	6490		
Previous Shoe Setting Depth (TVD)	0	700		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2810	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	302	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	218	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	148	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	148	NO OK
Required Casing/BOPE Test Pressure=		700	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BPH (psi)	.052*Setting Depth*MW=	2835	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2056	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1407	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1561	NO Reasonable
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		700	psi *Assumes 1psi/ft frac gradient

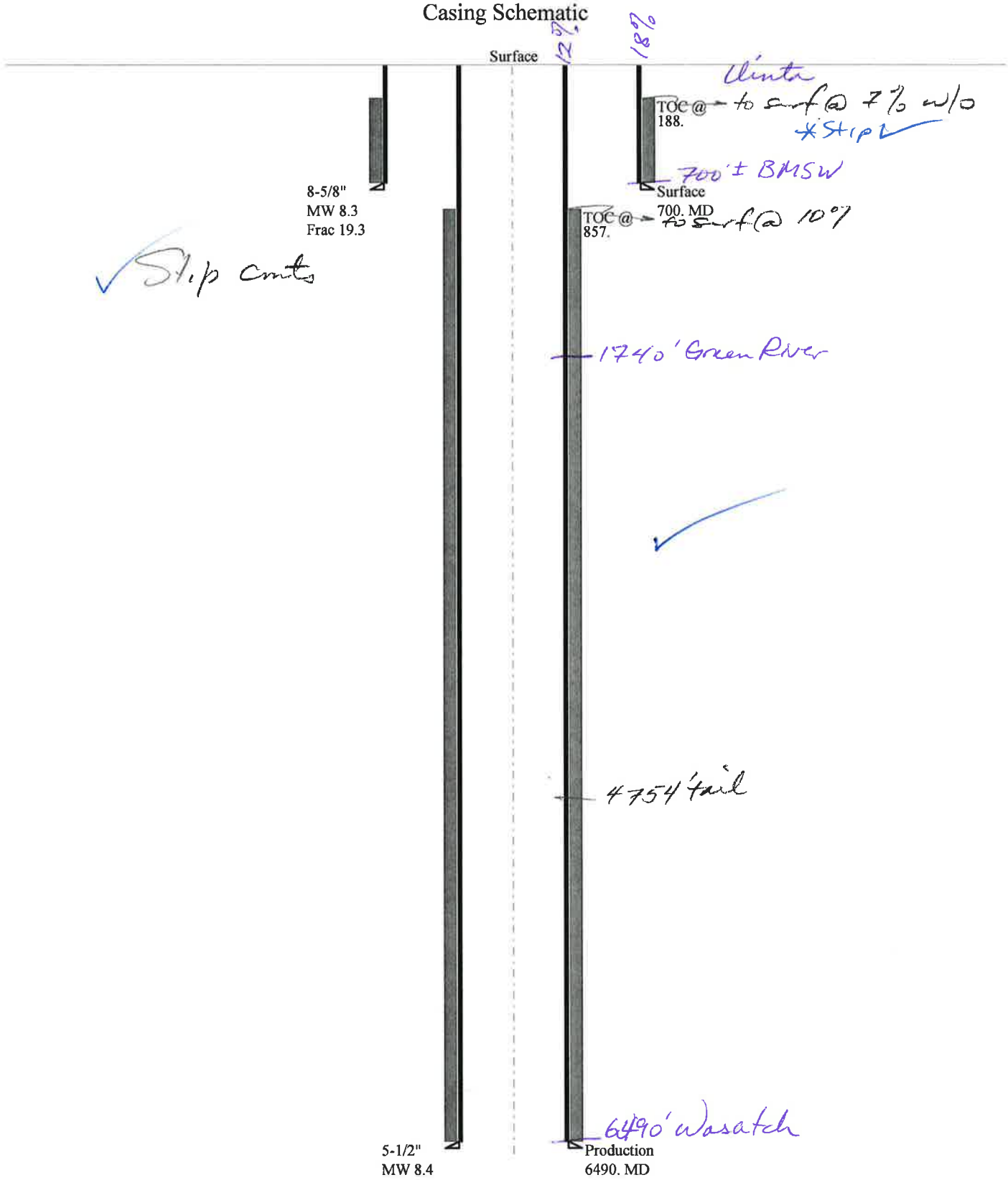
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

'APIWellNo:43013501570000'

43013501570000 Wells Draw State 1-32-8-16

Casing Schematic



'APIWellNo:43013501570000'

Well name:	**43013501570000 Wells Draw State 1-32-8-16**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-50157
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 616 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 700 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 613 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 84 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 188 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 6,490 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,832 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 700 ft
Injection pressure: 700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	700	8.625	24.00	K-55	ST&C	700	700	7.972	4611

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	302	1370	4.539	700	2950	4.21	16.8	263	15.65 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 4,2010
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 700 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

'APIWellNo:43013501570000'

Well name:	**43013501570000 Wells Draw State 1-32-8-16**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-50157
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,404 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,832 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,665 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 165 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 857 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	6490	5.5	15.50	J-55	LT&C	6490	6490	4.825	22916

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2832	4040	1.427	2832	4810	1.70	100.6	217	2.16 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: October 28,2009
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 6490 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY								
Well Name	Wells Draw State 1-32-8-16								
API Number	43013501570000			**APD No**	2080	**Field/Unit**		MONUMENT BUTTE	
Location: 1/4,1/4	NENE	**Sec** 32	**Tw** 8.0S	**Rng** 16.0E	769	FNL	776	FEL	
GPS Coord (UTM)				**Surface Owner**					

Participants

Floyd Bartlett (DOGM), Tim Eaton and Brian Foote (Newfield Production Company), Ed Bonner (SITLA), Ben Williams and Pat Rainbolt (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general location is approximately 12.1 road miles southwest of Myton, UT in the middle portion of the Wells Draw Drainage. Broad flats with rolling hills characterize the area. Flats are often intersected by drainages with gentle to moderate side slopes. Flats at lower elevations to the northeast are frequently used for agriculture. No seeps, springs or streams are known to exist in the immediate area. An occasional pond for livestock watering occurs. Wells Draw drains into Pleasant Valley Wash that drains into the Pariette Draw drainage of Duchesne County. The lower reaches of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 18 miles down drainage from the area. Access is by State and County and existing or proposed oilfield development roads to within 150 feet of the site. From this point additional construction will be required.

The proposed Wells Draw 1-32-8-16 oil well location is near the northeast end of a flat that has a gentle slope to the north. Some swales and ridges exist beyond the location to the north. No drainages intersect the site and no diversions are needed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use
Grazing
Wildlfe Habitat

New Road Miles	**Well Pad**	**Src Const Material**	**Surface Formation**
0.02	**Width** 199 **Length** 300	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Vegetated with a desert shrub type consisting of blue gramma grass, Indian rice grass, halogeton, shadscale, greasewood, black sage, broom snakeweed, Gardner saltbrush, needle and thread grass, rabbitbrush, prickly pear, fridge sage, winter fat, curly mesquite grass and spring annuals occupies the area.

Cattle, prairie dogs, antelope, small mammals and birds.

Soil Type and Characteristics

Moderately deep gravely sandy loam with some brown surface rock

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	300 to 1320	10	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	30	Sensitivity Level

Characteristics / Requirements

A 40' x 70' x 8' deep reserve pit is planned in an area of cut on the northeast side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Atv's used to access the site.

Floyd Bartlett	3/4/2009
Evaluator	**Date / Time**

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
2080	43013501570000	LOCKED	OW	S	No

Operator	NEWFIELD PRODUCTION COMPANY	**Surface Owner-APD**	
Well Name	Wells Draw State 1-32-8-16	**Unit**	GMBU (GRRV)
Field	MONUMENT BUTTE	**Type of Work**	DRILL
Location	NENE 32 8S 16E S 769 FNL 776 FEL	GPS Coord (UTM)	573672E 4436741N

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 700'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a high volume source of useable ground water. The surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill — **APD Evaluator**

10/26/2009 — **Date / Time**

Surface Statement of Basis

The general location is approximately 12.1 road miles southwest of Myton, UT in the middle portion of the Wells Draw Drainage. Broad flats with rolling hills characterize the area. Flats are often intersected by drainages with gentle to moderate side slopes. Flats at lower elevations to the northeast are frequently used for agriculture. No seeps, springs or streams are known to exist in the immediate area. An occasional pond for livestock watering occurs. Wells Draw drains into Pleasant Valley Wash that drains into the Pariette Draw drainage of Duchesne County. The lower reaches of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 18 miles down drainage from the area. Access is by State and County and existing or proposed oilfield development roads to within 150 feet of the site. From this point additional construction will be required.

The proposed Wells Draw 1-32-8-16 oil well location is near the northeast end of a flat that has a gentle slope to the north. Some swales and ridges exist beyond the location to the north. No drainages intersect the site and no diversions are needed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA. Ed Bonner of SITLA attended the site visit and had no concerns.

Pat Rainbolt and Ben Williams represented the Utah Division of Wildlife Resources. Mr. Rainbolt stated the area was classified as crutial value antelope habitat but did not recommend any restrictions for this species No other wildlife should be significantly affected. Mr. Rainbolt gave Mr. Eaton of Newfield Production Company a copy of his written evaluation and also a UDWR seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett — **Onsite Evaluator**

3/4/2009 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Application for Permit to Drill
Statement of Basis

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/29/2009 **API NO. ASSIGNED:** 43013501570000

WELL NAME: Wells Draw State 1-32-8-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NENE 32 080S 160E **Permit Tech Review:** ☑

SURFACE: 0769 FNL 0776 FEL **Engineering Review:** ☑

BOTTOM: 0769 FNL 0776 FEL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.07962 **LONGITUDE:** -110.13595

UTM SURF EASTINGS: 573672.00 **NORTHINGS:** 4436741.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21836 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

SURFACE OWNER: 3 - State **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 43-7478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: 460' fr unit boundary

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
25 - Surface Casing - ddoucet
27 - Other - bhill

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Wells Draw State 1-32-8-16
API Well Number: 43013501570000
Lease Number: ML-21836
Surface Owner: STATE
Approval Date: 3/11/2010

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:
- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during

drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

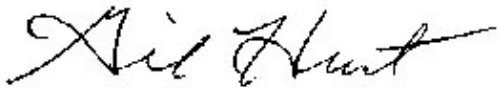
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

API Well No: 43013501570000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21836

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: WELLS DRAW ST 1-32-8-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013501570000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0769 FNL 0776 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/11/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SPUD REPORT Date of Spud:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ DRILLING REPORT Report Date:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: 02/23/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 2/22/2011

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013501570000

API: 43013501570000
Well Name: WELLS DRAW ST 1-32-8-16
Location: 0769 FNL 0776 FEL QTR NENE SEC 32 TWNP 080S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 3/11/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 2/22/2011
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED Feb. 22, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21836

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: WELLS DRAW ST 1-32-8-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013501570000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0769 FNL 0776 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/8/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: APD Amendment

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Proposes to amend the above mentioned well from a vertical well to a horizontal well. The newly proposed well name will be the GMBU 1-32-8-16H. Attached find the revised Drilling Program, Directional Drill Plan, Surface Use and Operations Plan, as well as the revised Plat Package. We would also like to request that "Tight Hole Status" be place on this well.

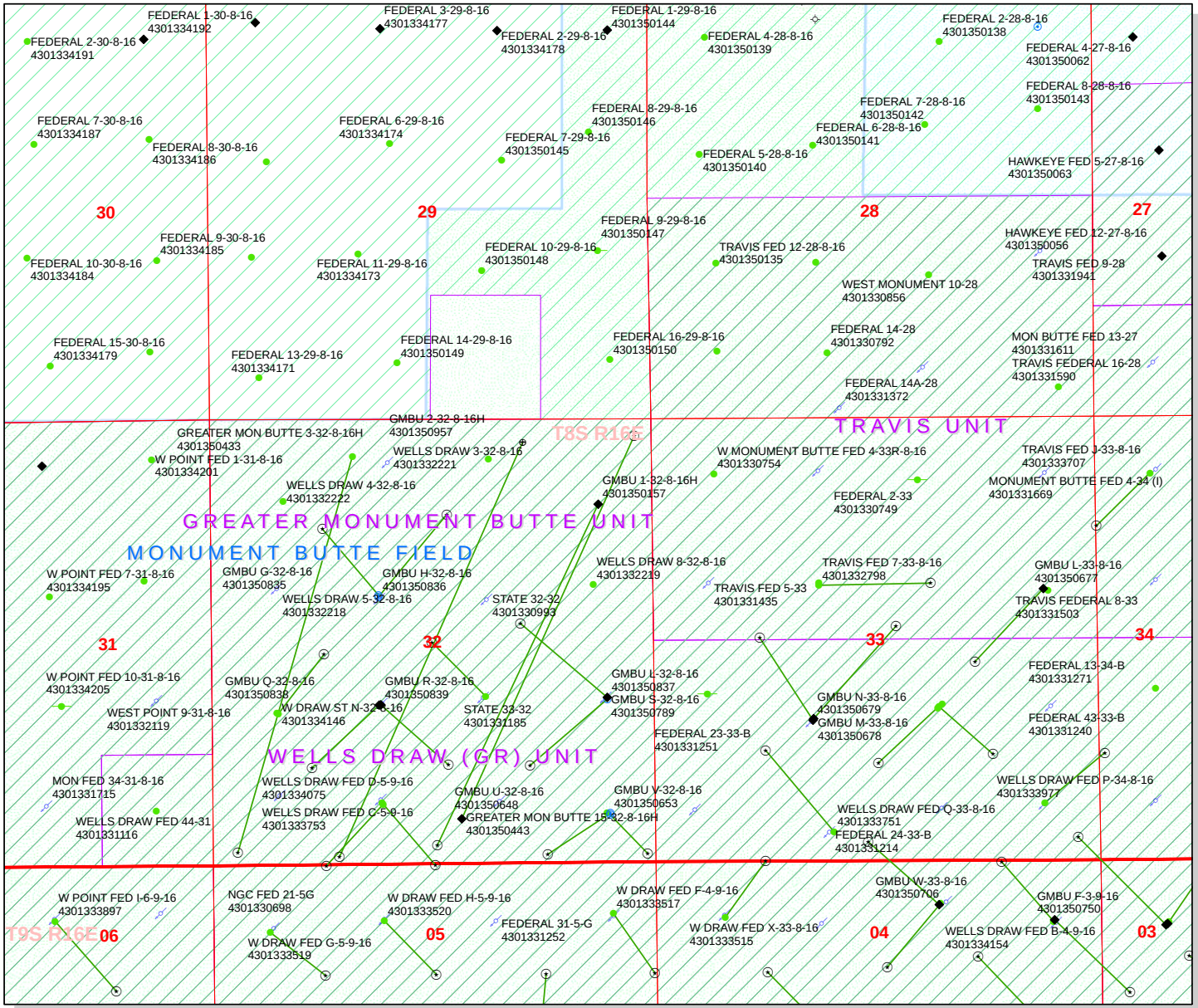
Approved by the Utah Division of Oil, Gas and Mining

Date: 10/13/2011

By: 

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 9/8/2011

RECEIVED Sep. 08, 2011



API Number: 4301350157

Well Name: GMBU 1-32-8-16H

Township T0.8 . Range R1.6 . Section 32

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

1,500 750 0 1,500 Feet

1:14,798

Newfield Production Company
Greater Monument Butte Unit 1-32-8-16H
NE/NE Section 32, T8S, R16E
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface	
Green River	1,745'	
Garden Gulch member	4,280'	
TD	6,219' TVD /	10,625' MD

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline	850'	(water)
Green River	4,280' - 6,219'	(oil)

3. Pressure Control

Section	BOP Description
Surface	No control
Production	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system. A 2M BOP system will consist of 2 ram preventers (double or two singles), and a rotating head. A choke manifold rated to at least 2,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Surface 8 5/8	0'	500'	24	J-55	STC	8.33	8.33	12	2,950 10.52	1,370 8.61	244,000 20.33
Production 5 1/2	0'	6,348' 6,663'	20	N-80	LTC	8.33	9.0	--	9,190 4.35	8,830 3.78	428,000 3.37
Production 4 1/2	6,663'	6,219' 10,625'	11.6	P-110	LTC	8.33	9.0	--	10,690 5.16	7,560 3.30	279,000 5.46

A tapered string of production casing will be run. A 7-7/8" hole will be drilled for the 5-1/2" casing in the vertical and curve sections of the well. A 6-1/8" hole will be drilled for the 4-1/2" casing in the lateral section of the well.

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)

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All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Surface	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	237 / 203	15%	15.8	1.17
Production Lead	7 7/8	4,280'	Premium Lite II w/ 3% KCl + 10% bentonite	853 / 242	15%	11.0	3.53
Production Tail	7 7/8	1,548'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	308 / 249	15%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

A system of open hole packers will be used to isolate frac stages in the lateral. Open hole packers will be used to isolate the vertical portion of the well from the lateral. A port collar will be used to cement the vertical portion of the well.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval	Description
Surface - 500'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
500' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 9.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from KOP to the base of the surface casing. A compensated neutron/formation density log will be run from KOP to

the top of the Garden Gulch formation. A cement bond log will be run from KOP to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.43 psi/ft gradient.

6,348' x 0.43 psi/ft = 2750 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

The well will be drilled vertically to a kick-off point of 5,828' .
Directional tools will then be used to build to 91.87 degrees inclination.
The hole size in the lateral will be reduced to 6-1/8". The lateral drilled to the bottomhole location shown on the plat.
A tapered string of production casing will be run in the well, with 5-1/2" casing in the vertical and curve portions and 4-1/2" casing in the lateral portion.
A system of open hole packers will be used to provide multi-stage frac isolation in the lateral.
A set of open hole packers will be placed at kick-off point to isolate the lateral. A port cementing collar will placed above the packers and will be used to cement the vertical portion of the well bore.

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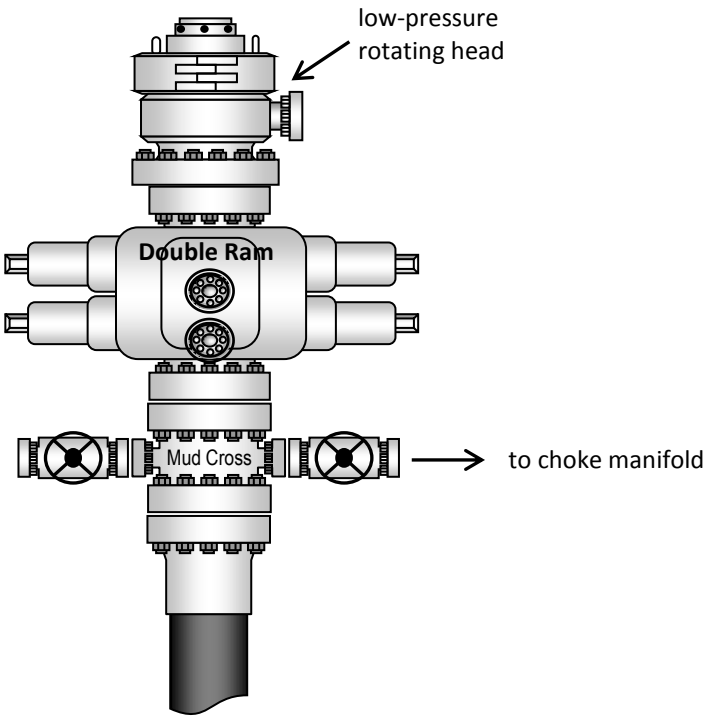
Typical 2M BOP stack configuration



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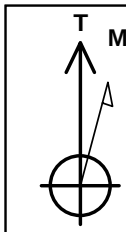
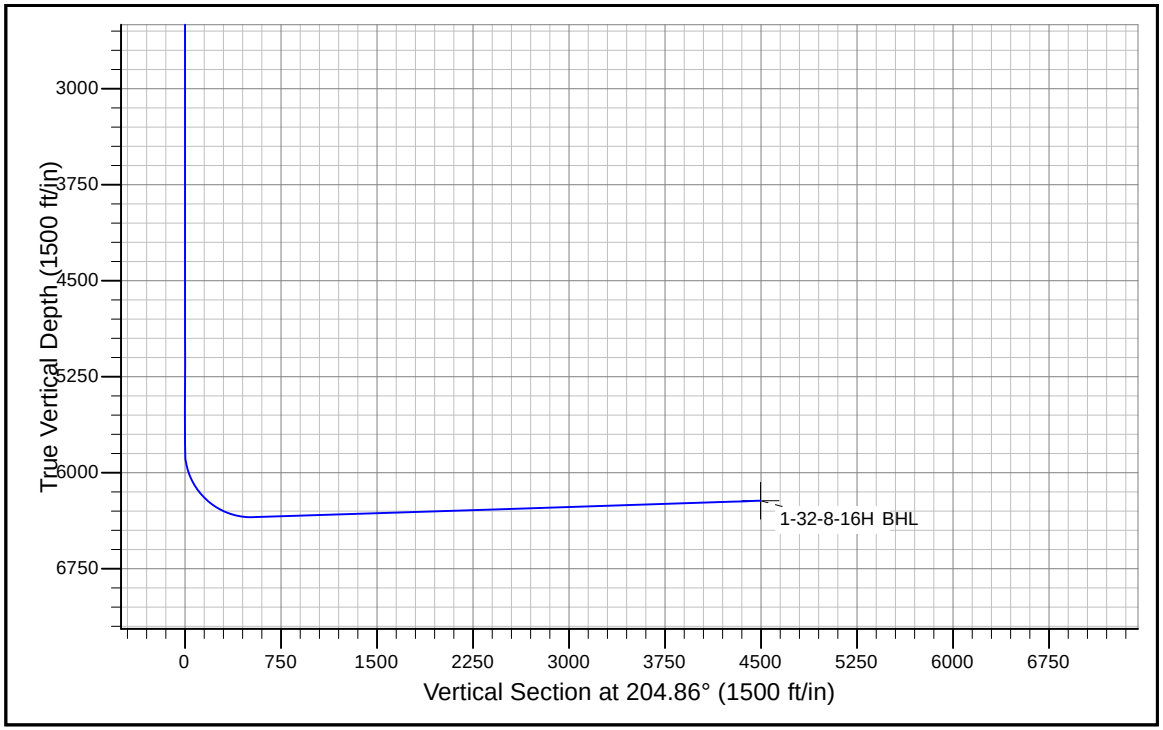
Newfield Production Company

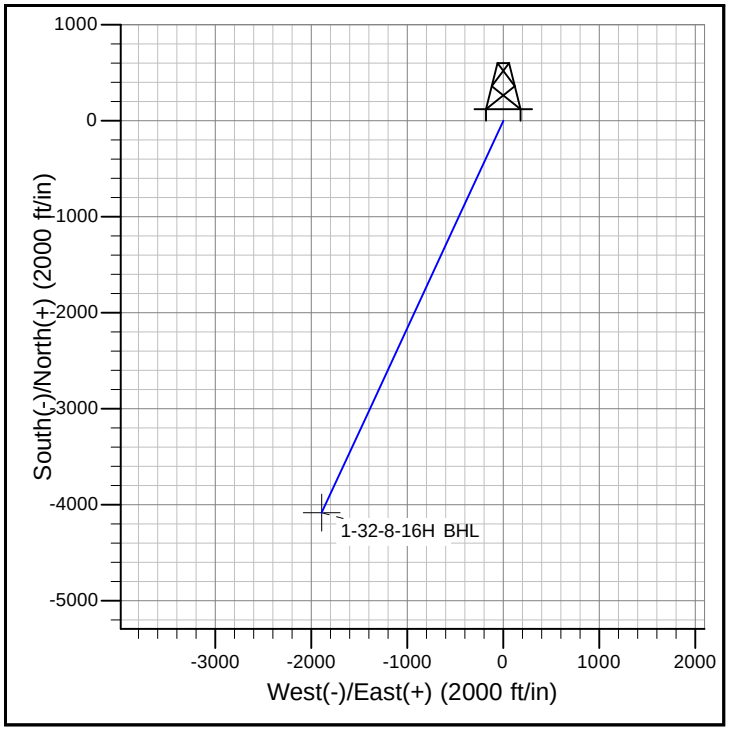
Project: Uinta Basin
Site: GMBU 1-32-8-16H
Well: GMBU 1-32-8-16H
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.30°

Magnetic Field
Strength: 52293.5snT
Dip Angle: 65.81°
Date: 9/6/2011
Model: IGRF200510





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5827.8	0.00	0.00	5827.8	0.0	0.0	0.00	0.00	0.0	
3	6663.0	91.87	204.86	6348.4	-488.0	-226.1	11.00	204.86	537.9	
4	10624.8	91.87	204.86	6219.0	-4080.8	-1890.8	0.00	0.00	4497.5	1-32-8-16H BHL

PROJECT DETAILS: Uinta Basin

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level

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Newfield Production Company

Uinta Basin
GMBU 1-32-8-16H
GMBU 1-32-8-16H

Wellbore #1

Plan: Design #1

Standard Planning Report

06 September, 2011

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Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1-32-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5703.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5703.0ft
Site:	GMBU 1-32-8-16H	**North Reference:**	True
Well:	GMBU 1-32-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Uinta Basin

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site GMBU 1-32-8-16H

Site Position:		**Northing:**	2,194,678.32 m	**Latitude:**	40° 4' 44.050 N
From:	Lat/Long	**Easting:**	616,314.56 m	**Longitude:**	110° 8' 10.160 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	0.000 in	**Grid Convergence:**	0.87 °

Well GMBU 1-32-8-16H

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,194,678.32 m	**Latitude:**	40° 4' 44.050 N
	+E/-W	0.0 ft	**Easting:**	616,314.56 m	**Longitude:**	110° 8' 10.160 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**		**Ground Level:**	5,691.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	9/6/2011	11.30	65.81	52,294

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	204.86

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,827.8	0.00	0.00	5,827.8	0.0	0.0	0.00	0.00	0.00	0.00	
6,663.0	91.87	204.86	6,348.4	-488.0	-226.1	11.00	11.00	0.00	204.86	
10,624.8	91.87	204.86	6,219.0	-4,080.8	-1,890.8	0.00	0.00	0.00	0.00	1-32-8-16H BHL

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1-32-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5703.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5703.0ft
Site:	GMBU 1-32-8-16H	**North Reference:**	True
Well:	GMBU 1-32-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1-32-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5703.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5703.0ft
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Well:	GMBU 1-32-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,827.8	0.00	0.00	5,827.8	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	7.94	204.86	5,899.8	-4.5	-2.1	5.0	11.00	11.00	0.00
6,000.0	18.94	204.86	5,996.9	-25.6	-11.9	28.2	11.00	11.00	0.00
6,100.0	29.94	204.86	6,087.8	-63.1	-29.2	69.5	11.00	11.00	0.00
6,200.0	40.94	204.86	6,169.1	-115.6	-53.6	127.4	11.00	11.00	0.00
6,300.0	51.94	204.86	6,237.9	-181.2	-84.0	199.8	11.00	11.00	0.00
6,400.0	62.94	204.86	6,291.7	-257.6	-119.4	283.9	11.00	11.00	0.00
6,500.0	73.94	204.86	6,328.4	-341.9	-158.4	376.8	11.00	11.00	0.00
6,600.0	84.94	204.86	6,346.7	-430.9	-199.7	474.9	11.00	11.00	0.00
6,663.0	91.87	204.86	6,348.4	-488.0	-226.1	537.9	11.00	11.00	0.00
6,700.0	91.87	204.86	6,347.2	-521.6	-241.7	574.8	0.00	0.00	0.00
6,800.0	91.87	204.86	6,343.9	-612.3	-283.7	674.8	0.00	0.00	0.00
6,900.0	91.87	204.86	6,340.7	-702.9	-325.7	774.7	0.00	0.00	0.00
7,000.0	91.87	204.86	6,337.4	-793.6	-367.7	874.7	0.00	0.00	0.00
7,100.0	91.87	204.86	6,334.1	-884.3	-409.8	974.6	0.00	0.00	0.00
7,200.0	91.87	204.86	6,330.9	-975.0	-451.8	1,074.6	0.00	0.00	0.00
7,300.0	91.87	204.86	6,327.6	-1,065.7	-493.8	1,174.5	0.00	0.00	0.00
7,400.0	91.87	204.86	6,324.3	-1,156.4	-535.8	1,274.5	0.00	0.00	0.00
7,500.0	91.87	204.86	6,321.1	-1,247.0	-577.8	1,374.4	0.00	0.00	0.00
7,600.0	91.87	204.86	6,317.8	-1,337.7	-619.8	1,474.4	0.00	0.00	0.00
7,700.0	91.87	204.86	6,314.5	-1,428.4	-661.9	1,574.3	0.00	0.00	0.00
7,800.0	91.87	204.86	6,311.3	-1,519.1	-703.9	1,674.3	0.00	0.00	0.00
7,900.0	91.87	204.86	6,308.0	-1,609.8	-745.9	1,774.2	0.00	0.00	0.00
8,000.0	91.87	204.86	6,304.7	-1,700.5	-787.9	1,874.1	0.00	0.00	0.00
8,100.0	91.87	204.86	6,301.5	-1,791.2	-829.9	1,974.1	0.00	0.00	0.00
8,200.0	91.87	204.86	6,298.2	-1,881.8	-872.0	2,074.0	0.00	0.00	0.00
8,300.0	91.87	204.86	6,294.9	-1,972.5	-914.0	2,174.0	0.00	0.00	0.00
8,400.0	91.87	204.86	6,291.7	-2,063.2	-956.0	2,273.9	0.00	0.00	0.00
8,500.0	91.87	204.86	6,288.4	-2,153.9	-998.0	2,373.9	0.00	0.00	0.00
8,600.0	91.87	204.86	6,285.1	-2,244.6	-1,040.0	2,473.8	0.00	0.00	0.00
8,700.0	91.87	204.86	6,281.9	-2,335.3	-1,082.1	2,573.8	0.00	0.00	0.00
8,800.0	91.87	204.86	6,278.6	-2,425.9	-1,124.1	2,673.7	0.00	0.00	0.00
8,900.0	91.87	204.86	6,275.3	-2,516.6	-1,166.1	2,773.7	0.00	0.00	0.00
9,000.0	91.87	204.86	6,272.1	-2,607.3	-1,208.1	2,873.6	0.00	0.00	0.00
9,100.0	91.87	204.86	6,268.8	-2,698.0	-1,250.1	2,973.6	0.00	0.00	0.00
9,200.0	91.87	204.86	6,265.5	-2,788.7	-1,292.2	3,073.5	0.00	0.00	0.00
9,300.0	91.87	204.86	6,262.3	-2,879.4	-1,334.2	3,173.5	0.00	0.00	0.00
9,400.0	91.87	204.86	6,259.0	-2,970.1	-1,376.2	3,273.4	0.00	0.00	0.00
9,500.0	91.87	204.86	6,255.7	-3,060.7	-1,418.2	3,373.3	0.00	0.00	0.00
9,600.0	91.87	204.86	6,252.5	-3,151.4	-1,460.2	3,473.3	0.00	0.00	0.00
9,700.0	91.87	204.86	6,249.2	-3,242.1	-1,502.3	3,573.2	0.00	0.00	0.00
9,800.0	91.87	204.86	6,245.9	-3,332.8	-1,544.3	3,673.2	0.00	0.00	0.00
9,900.0	91.87	204.86	6,242.7	-3,423.5	-1,586.3	3,773.1	0.00	0.00	0.00
10,000.0	91.87	204.86	6,239.4	-3,514.2	-1,628.3	3,873.1	0.00	0.00	0.00
10,100.0	91.87	204.86	6,236.1	-3,604.8	-1,670.3	3,973.0	0.00	0.00	0.00
10,200.0	91.87	204.86	6,232.9	-3,695.5	-1,712.4	4,073.0	0.00	0.00	0.00
10,300.0	91.87	204.86	6,229.6	-3,786.2	-1,754.4	4,172.9	0.00	0.00	0.00
10,400.0	91.87	204.86	6,226.3	-3,876.9	-1,796.4	4,272.9	0.00	0.00	0.00
10,500.0	91.87	204.86	6,223.1	-3,967.6	-1,838.4	4,372.8	0.00	0.00	0.00

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1-32-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5703.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5703.0ft
Site:	GMBU 1-32-8-16H	**North Reference:**	True
Well:	GMBU 1-32-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,600.0	91.87	204.86	6,219.8	-4,058.3	-1,880.4	4,472.8	0.00	0.00	0.00
10,624.8	91.87	204.86	6,219.0	-4,080.8	-1,890.8	4,497.5	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
1-32-8-16H BHL - plan hits target center - Point	0.00	0.00	6,219.0	-4,080.8	-1,890.8	2,193,425.86	615,757.26	40° 4' 3.719 N	110° 8' 34.483 W

NEWFIELD PRODUCTION COMPANY
GMBU 1-32-8-16H
SHL: NE/NE SECTION 32, T8S, R16E
BHL: SW/SE SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site GMBU 1-32-8-16H located in the NE¼ NE¼ Section 32, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly – 9.3 miles to it's junction with an existing road to the northeast; proceed northeasterly – 1.0 miles ± to it's junction with an existing road to the northwest; proceed northwesterly – 0.3 miles ± to it's junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road – 161' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 161' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

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4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

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A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from

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the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-01-MQ-0046s 2/28/01. Paleontological Resource Survey prepared by, Wade E. Miller, 4/8/09. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 161' of planned access road be granted. **Refer to Topographic Map "B".** Newfield Production Company requests 179' of surface gas line be granted. Newfield Production Company requests 194' of buried water line be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. The planned access road will consist of a 20' permanent running surface (10' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

Surface Flow Line
Newfield requests 175' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. Refer to Topographic Map "C" for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Termination and Final Reclamation: After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU 1-32-8-16H, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 1-32-8-16H Newfield will use, produce,

store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name:	Tim Eaton
Address:	Newfield Production Company
	Route 3, Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #1-32-8-16H, NE/NE Section 32, T8S, R16E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

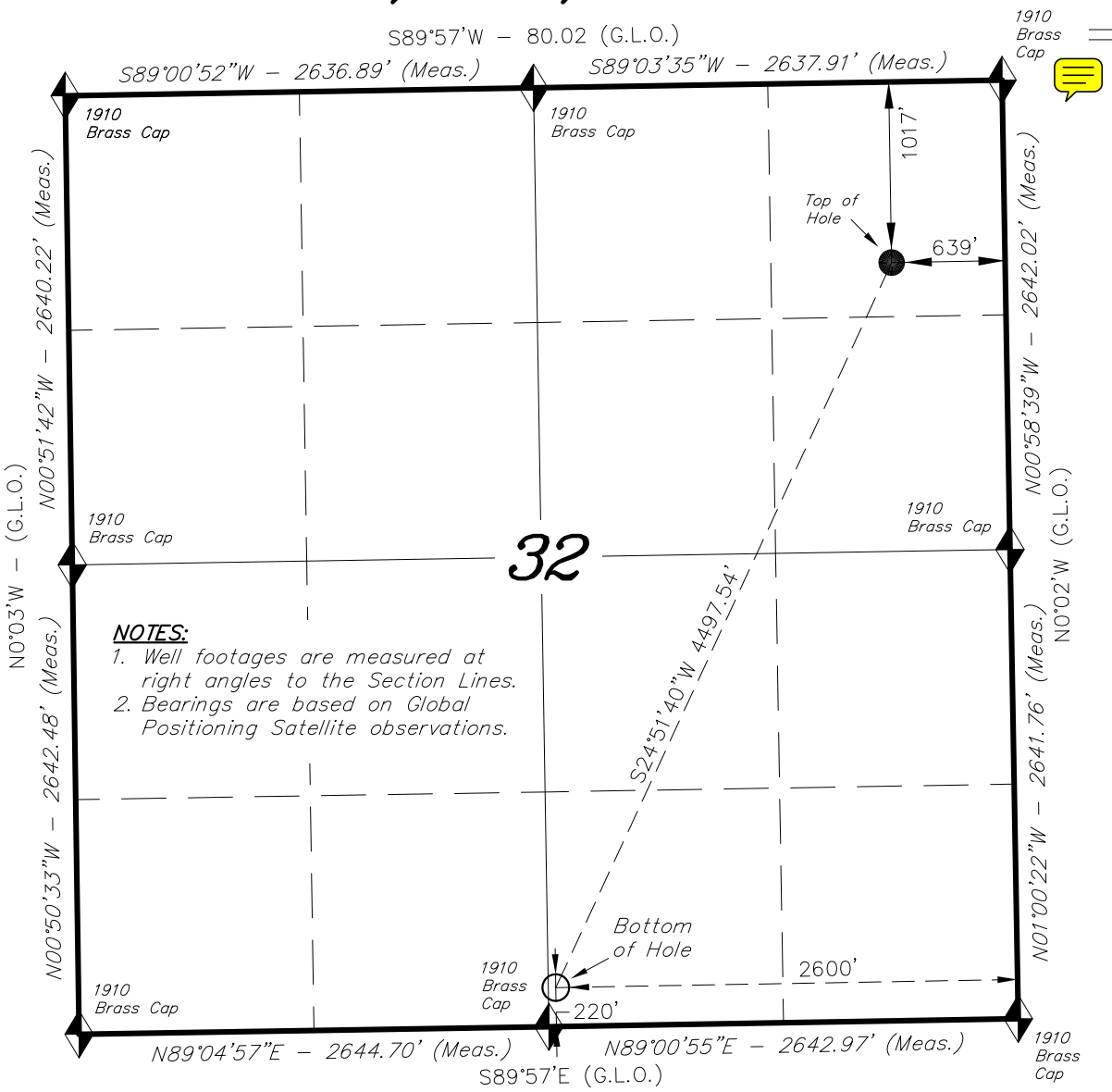
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

_____8/8/11_____
Date

_____
Mandie Crozier
Regulatory Analyst
Newfield Production Company

T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

WELL LOCATION, 1–32–8–16H, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 32, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 1–32–8–16H, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 32, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

WELL LOCATION:
1–32–8–16H

ELEV. UNGRADED GROUND = 5691.4'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 07-14-11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

1–32–8–16H
(Surface Location) NAD 83
LATITUDE = 40° 04' 44.05"
LONGITUDE = 110° 08' 10.16"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781–2501

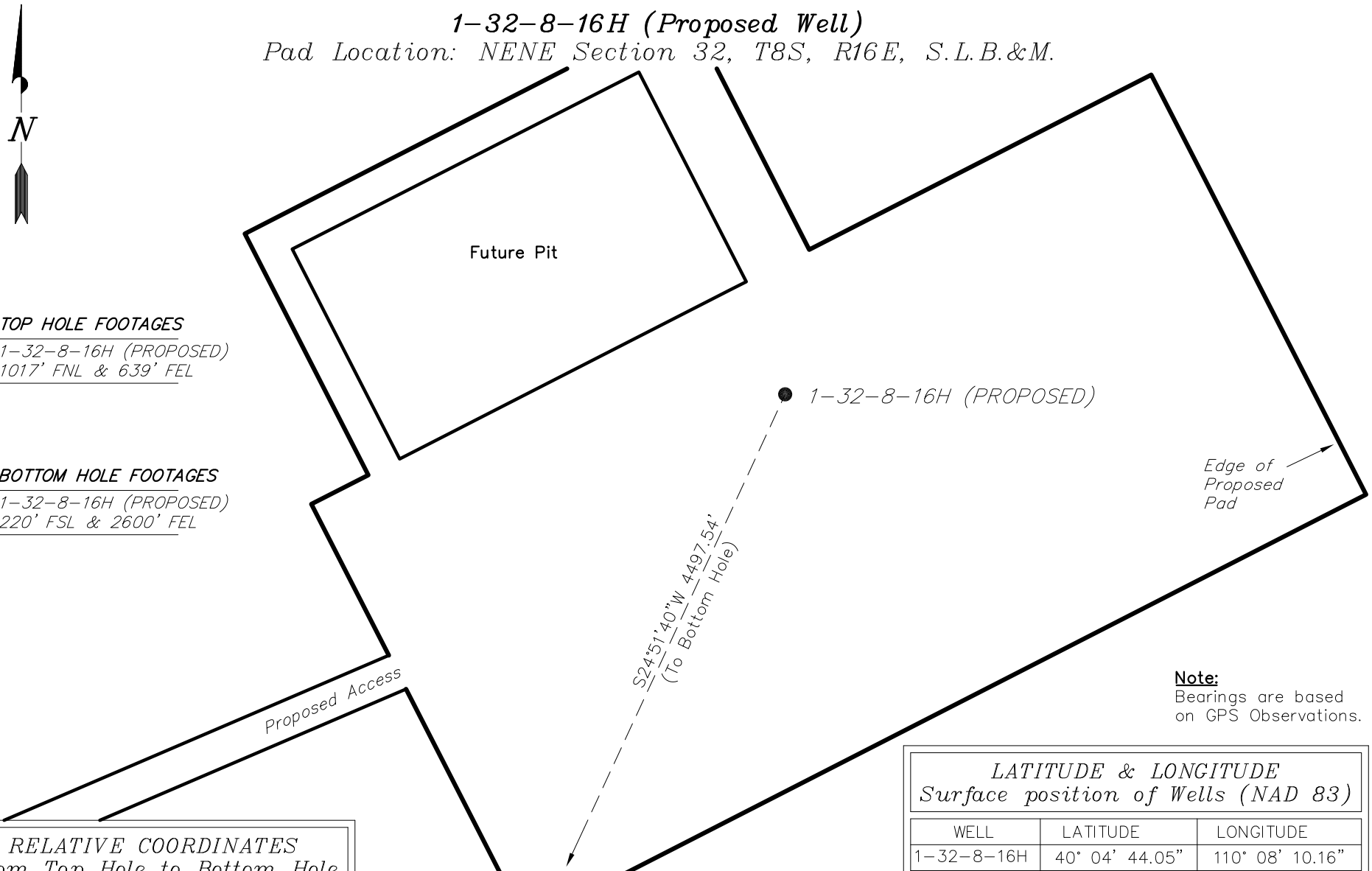
DATE SURVEYED: 04–21–11	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 06–17–11	DRAWN BY: F.T.M.	V2
REVISED: 07–13–11 F.T.M.	SCALE: 1" = 1000'	

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

1-32-8-16H (Proposed Well)

Pad Location: NENE Section 32, T8S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

1-32-8-16H (PROPOSED)
1017' FNL & 639' FEL

BOTTOM HOLE FOOTAGES

1-32-8-16H (PROPOSED)
220' FSL & 2600' FEL

Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
1-32-8-16H	40° 04' 44.05"	110° 08' 10.16"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
1-32-8-16H	-4,081'	-1,891'

SURVEYED BY:	S.V.	DATE SURVEYED:	04-21-11	VERSION:	V2
DRAWN BY:	F.T.M.	DATE DRAWN:	06-17-11		
SCALE:	1" = 60'	REVISED:	F.T.M. 07-13-11		

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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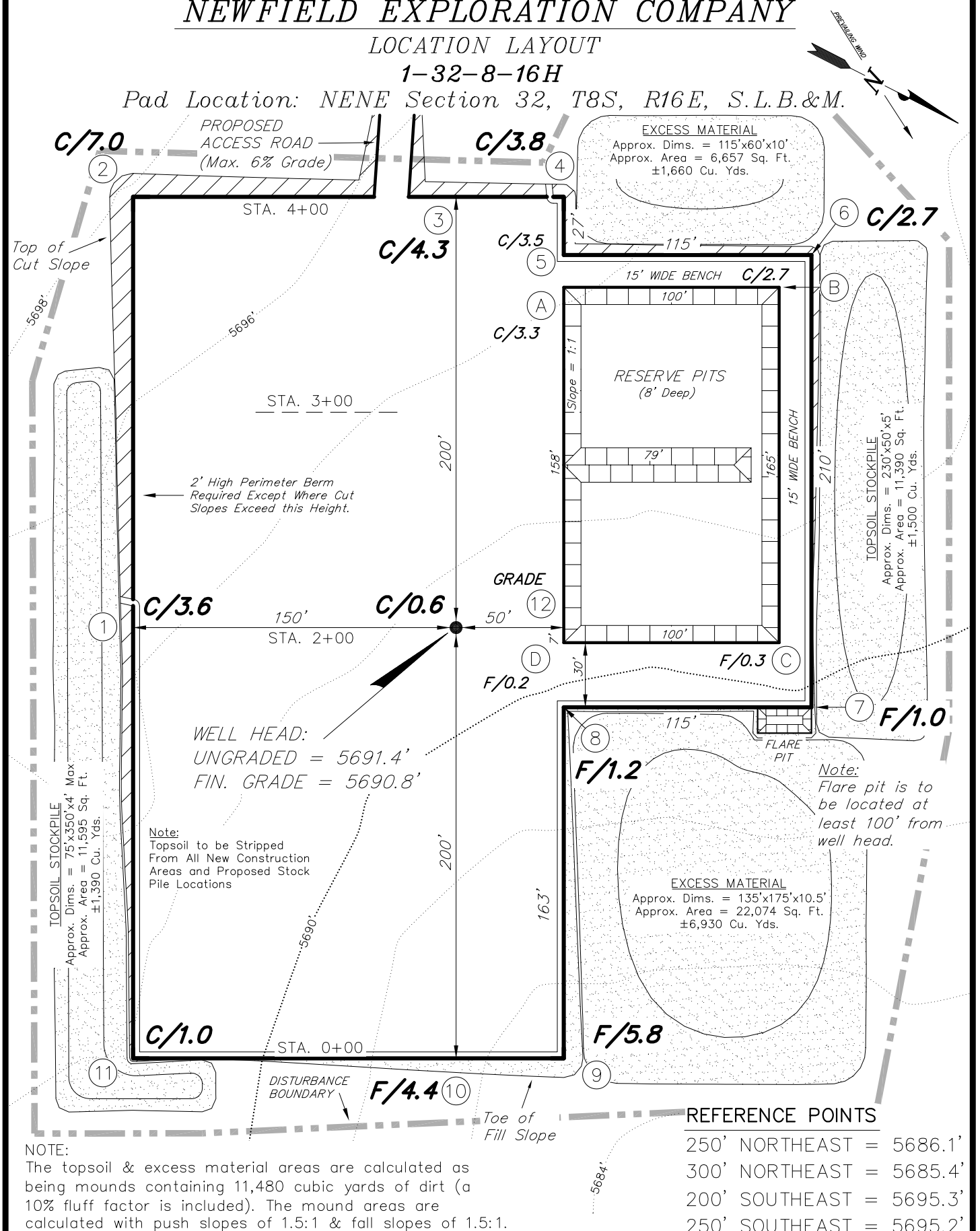
LOCATION LAYOUT

1-32-8-16H

Pad Location: NENE Section 32, T8S, R16E, S.L.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 11,480 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

REFERENCE POINTS

250' NORTHEAST	= 5686.1'
300' NORTHEAST	= 5685.4'
200' SOUTHEAST	= 5695.3'
250' SOUTHEAST	= 5695.2'

SURVEYED BY:	S.V.	DATE SURVEYED:	04-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	F.T.M.	DATE DRAWN:	06-17-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	1" = 60'	REVISED:	F.T.M. 07-13-11		

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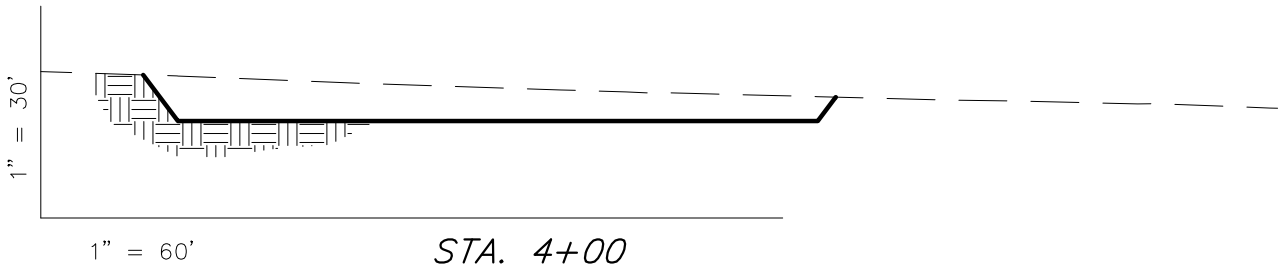
NEWFIELD EXPLORATION COMPANY

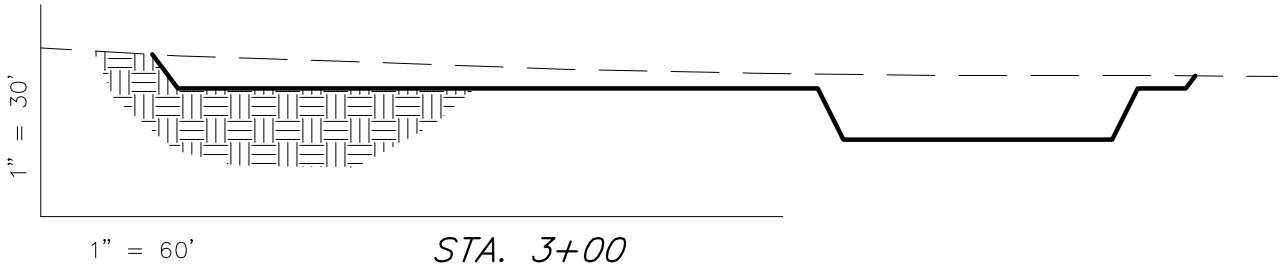
CROSS SECTIONS

1-32-8-16H

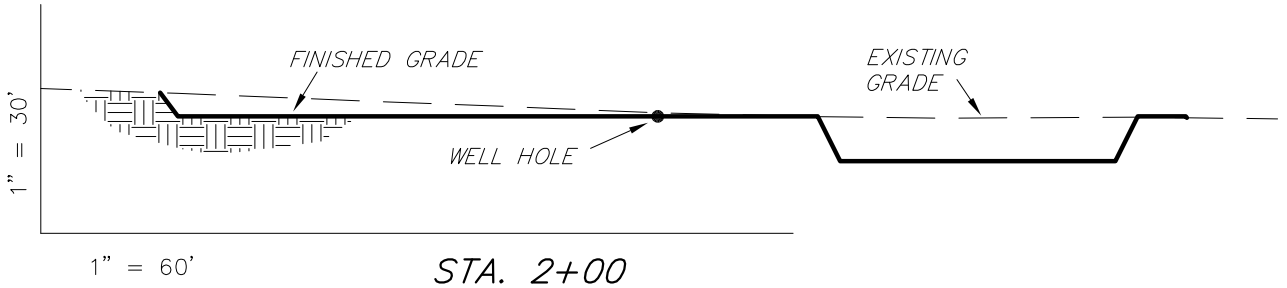
Pad Location: NENE Section 32, T8S, R16E, S.L.B.&M.



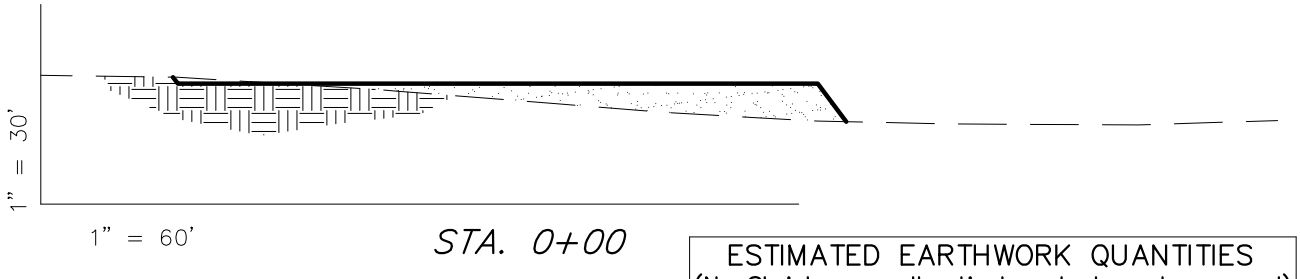
STA. 4+00



STA. 3+00



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,280	2,570	Topsoil is not included in Pad Cut	3,710
PIT	4,100	0		4,100
TOTALS	10,380	2,570	2,630	7,810

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

SURVEYED BY: S.V.	DATE SURVEYED: 04-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-17-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 07-13-11		

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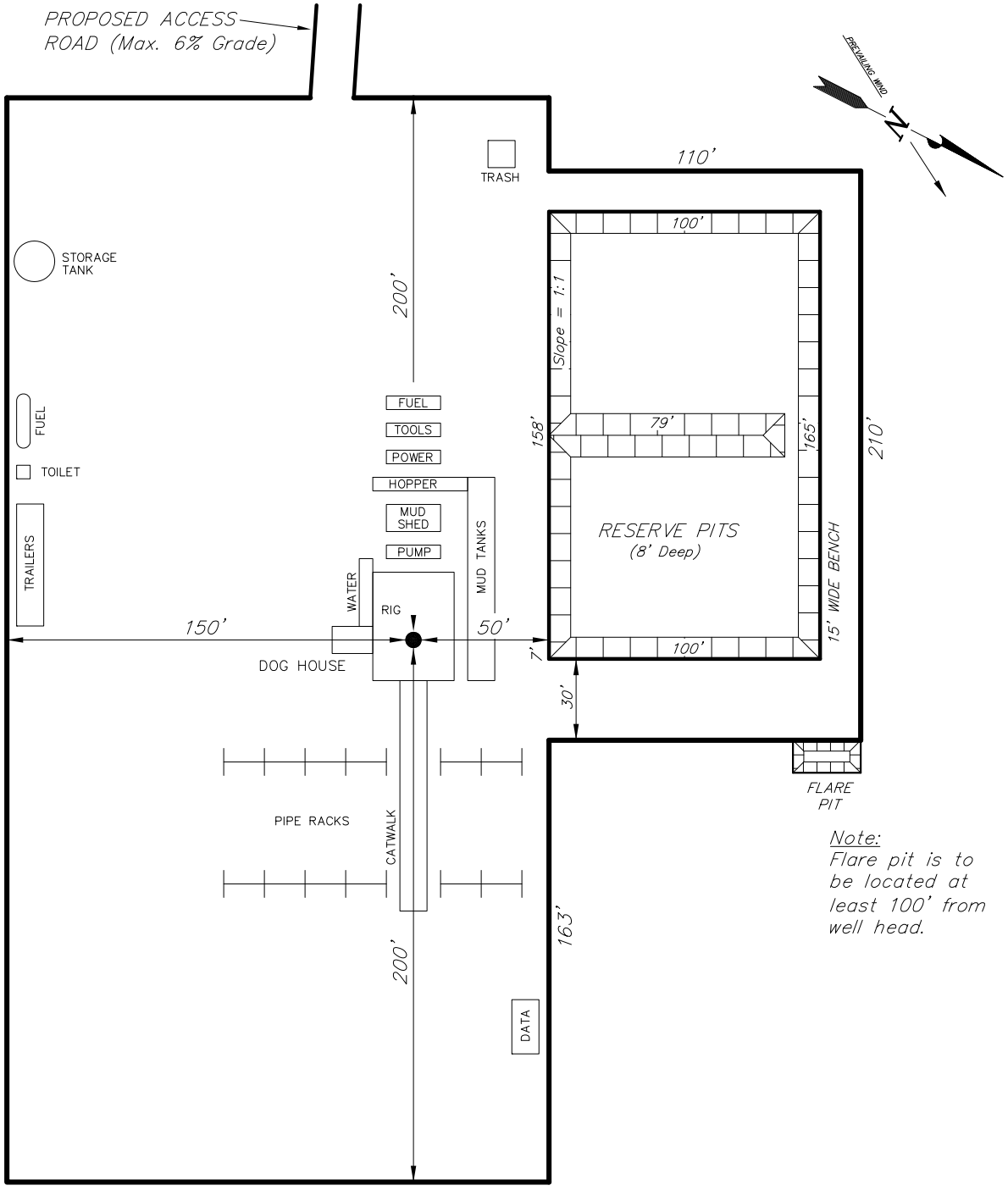
TYPICAL RIG LAYOUT

1-32-8-16H

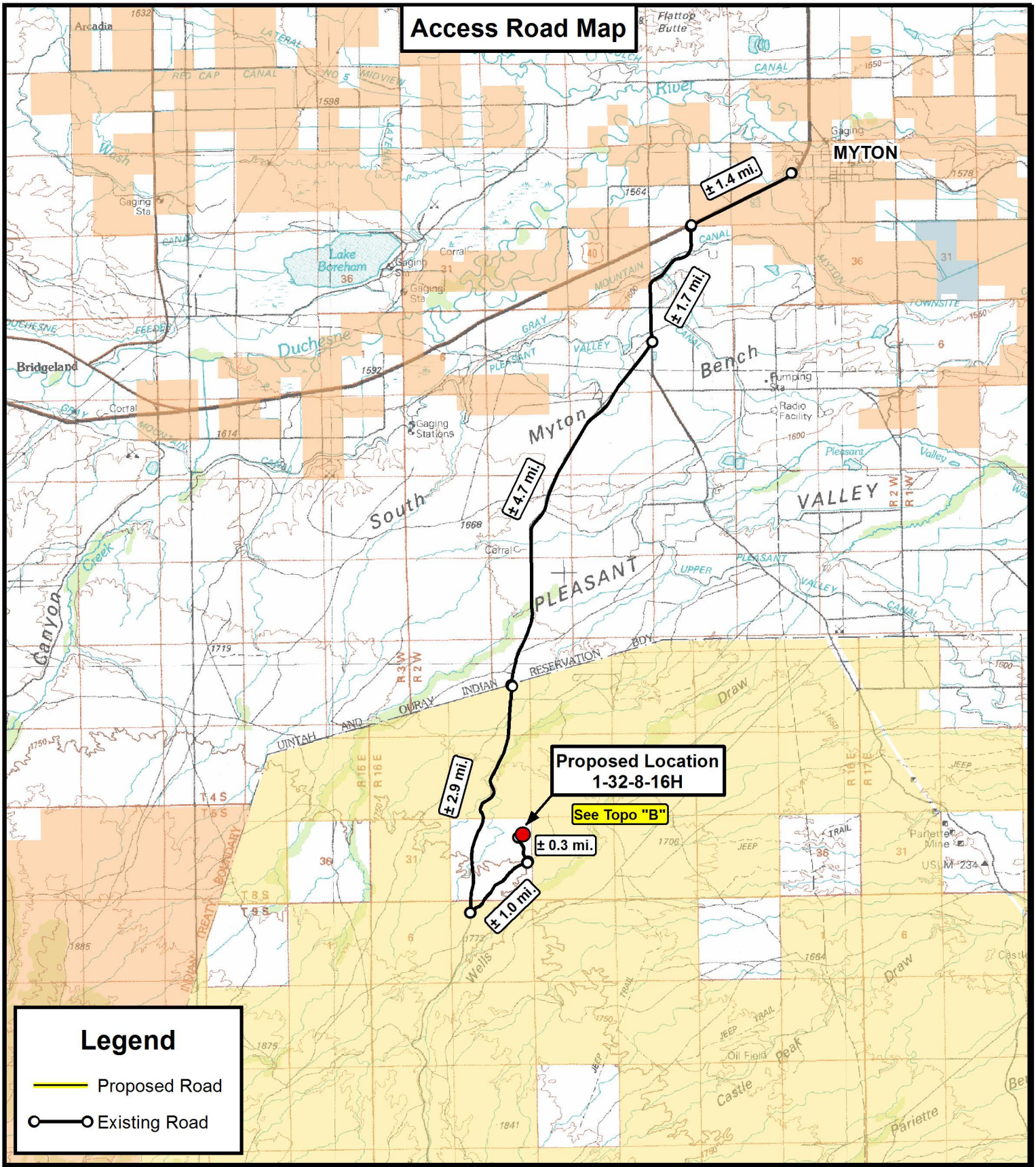
Pad Location: NENE Section 32, T8S, R16E, S.L.B.&M.



Note:
Flare pit is to be located at least 100' from well head.

SURVEYED BY: S.V.	DATE SURVEYED: 04-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-17-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 07-13-11		

RECEIVED Sep. 08, 2011



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

1-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

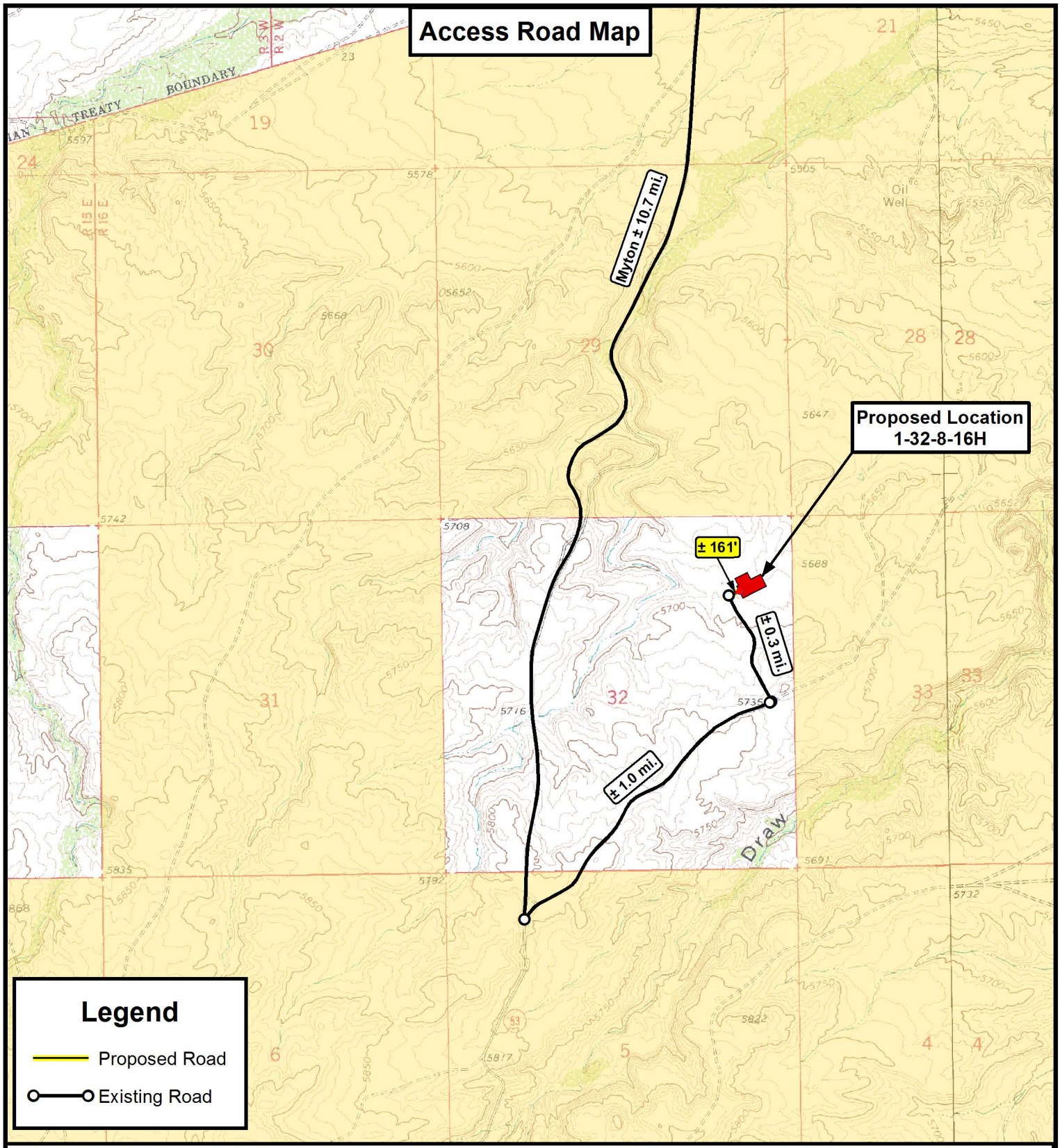
DRAWN BY:	J.A.S.	REVISED: 07-15-11 (DCR)	VERSION:
DATE:	07-01-2011		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

RECEIVED Sep. 08, 2011

Access Road Map



Legend

- Proposed Road
- Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
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N

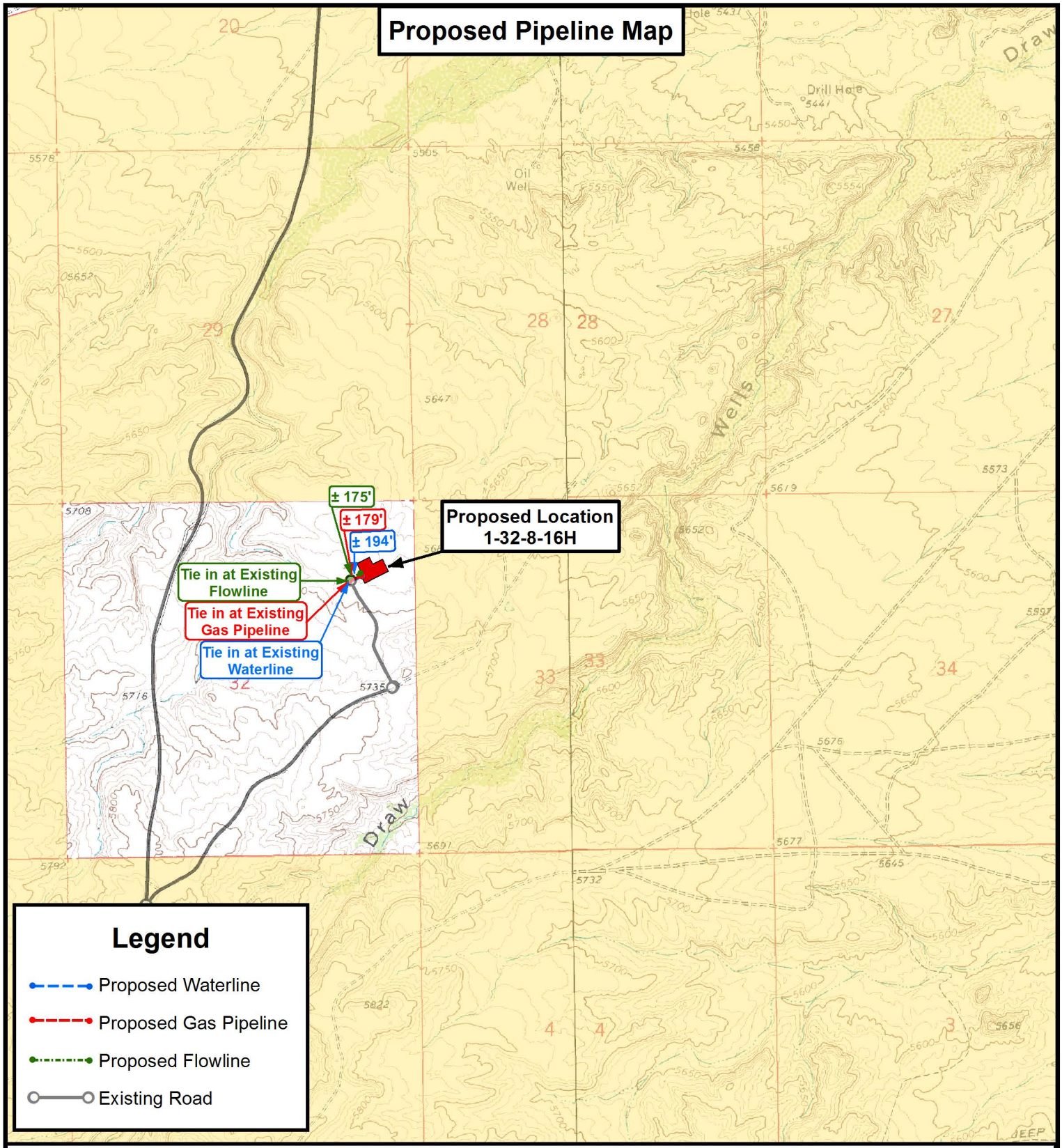
NEWFIELD EXPLORATION COMPANY

1-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	07-15-11 (DCR)	VERSION:	TOPOGRAPHIC MAP
DATE:	07-01-2011			V2	SHEET B
SCALE:	1 " = 2,000 '				

RECEIVED Sep. 08, 2011

Proposed Pipeline Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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NEWFIELD EXPLORATION COMPANY

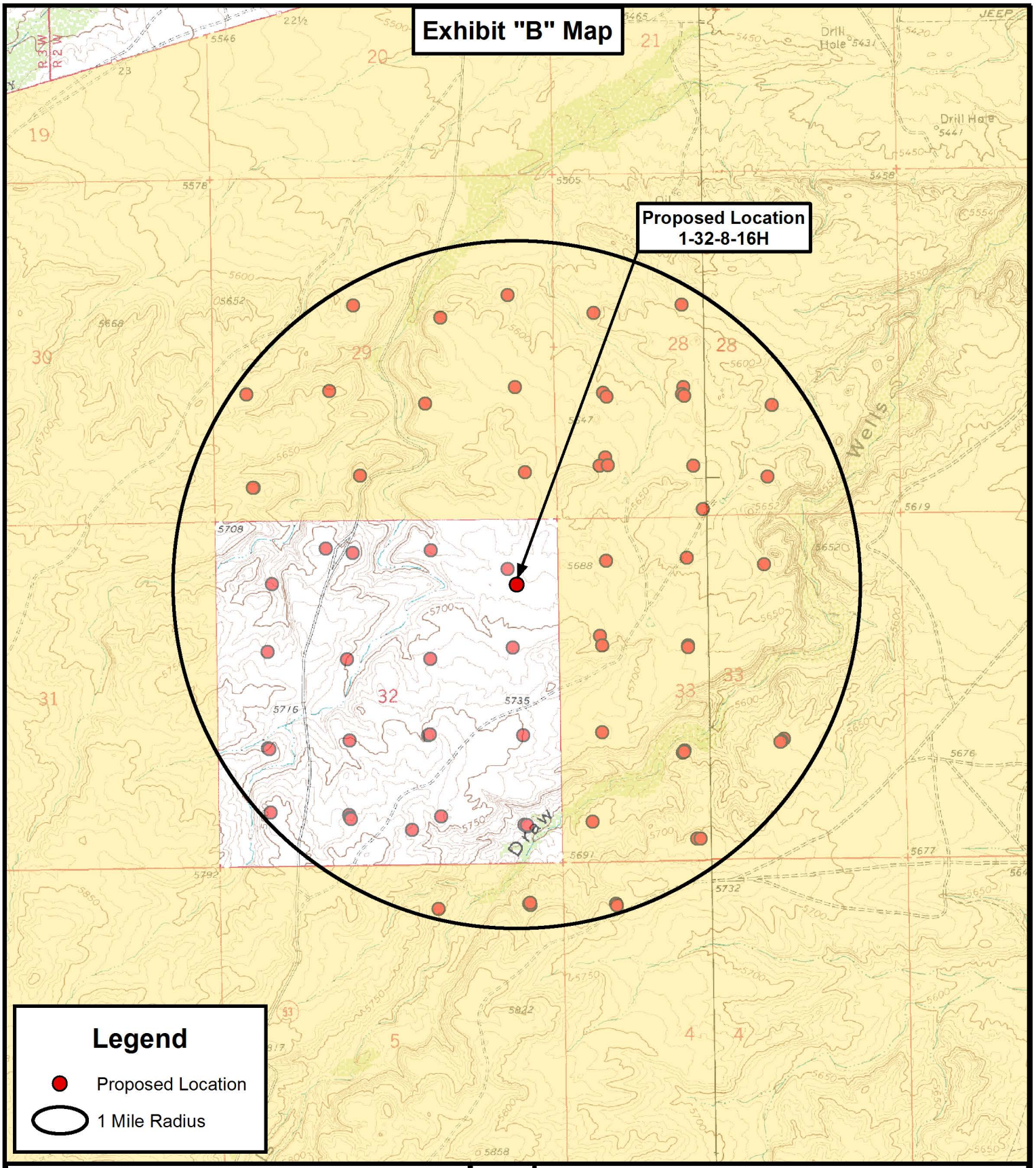
1-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED: 07-15-11 (DCR)	VERSION:
DATE:	07-01-2011		V2
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

RECEIVED Sep. 08, 2011



Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
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NEWFIELD EXPLORATION COMPANY

1-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED: 07-15-11 (DCR)	VERSION:
DATE:	07-01-2011		V2
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET D

RECEIVED Sep. 08, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21836

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 1-32-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013501570000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1017 FNL 0639 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/11/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: February 07, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 2/6/2012

RECEIVED: Feb. 06, 2012

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013501570000

API: 43013501570000
Well Name: GMBU 1-32-8-16H
Location: 1017 FNL 0639 FEL QTR NENE SEC 32 TWNP 080S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 3/11/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 2/6/2012
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Feb. 06, 2012

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU 1-32-8-16H
Qtr/Qtr NE/NE Section 32 Township 8S Range 16E
Lease Serial Number ML-21836
API Number 43-013-50157

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5/31/12 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 5/31/12 4:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	19583	4301350672	UTE TRIBAL 16-4-4-4WH	SESE	4	4S	4W	DUCHESNE	5/30/2012	6/20/12

WELL 1 COMMENTS:
GRRV BHL: SESW
CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350506	GMBU L-18-9-17	SENE	18	9S	17E	DUCHESNE	6/2/2012	6/20/12

GRRV BHL: NWSE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350505	GMBU I-18-9-17	SENE	18	9S	17E	DUCHESNE	6/2/2012	6/20/12

GRRV BHL: NWNE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350826	GMBU H-33-8-17	NENW	33	8S	17E	DUCHESNE	6/5/2012	6/20/12

GRRV BHL: SWNE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350157	GMBU 1-32-8-16H	NENE	32	8S	16E	DUCHESNE	5/31/2012	6/20/12

GRRV
CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350508	GMBU R-18-9-17	SWSE	18	9S	17E	DUCHESNE	6/17/2012	6/20/12

GRRV

ACTION CODES (See instructions on back of form)
- A - ı new entity for new well (single well only)
- B - ı well to existing entity (group or unit well)
- C - ʳom one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
JUN 19 2012
Div. of Oil, Gas & Mining

Signature
Tabitha Timothy
Production Clerk
06/20/12

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21836

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 1-32-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013501570000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1017 FNL 0639 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/6/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change to Cement Design

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield respectfully requests to change the cement design on the GMBU 1-32-8-16H. The change in design is in the horizontal portion of the well. The open hole completion system that was originally planned with be replaced by a cement slurry throughout the entire lateral. Cement will be brought back to surface. The well will be drilled horizontally as previously submitted. An updated drilling plan is attached documenting the changes mentioned above.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 12, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 7/6/2012

RECEIVED: Jul. 06, 2012

Newfield Production Company
Greater Monument Butte Unit 1-32-8-16H
NE/NE Section 32, T8S, R16E
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface	
Green River	1,745'	
Garden Gulch member	4,280'	
TD	6,219' TVD /	10,625' MD

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline	850'	(water)
Green River	4,280' - 6,219'	(oil)

3. Pressure Control

Section	BOP Description
Surface	No control
Production	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system. A 2M BOP system will consist of 2 ram preventers (double or two singles), and a rotating head. A choke manifold rated to at least 2,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Surface 8 5/8	0'	500'	24	J-55	STC	8.33	8.33	12	2,950 10.52	1,370 8.61	244,000 20.33
Production 5 1/2	0'	6,348' 6,663'	20	N-80	LTC	8.33	9.0	--	9,190 4.35	8,830 3.78	428,000 3.37
Production 4 1/2	6,663'	6,219' 10,625'	11.6	P-110	LTC	8.33	9.0	--	10,690 5.16	7,560 3.30	279,000 5.46

A tapered string of production casing will be run. A 7-7/8" hole will be drilled for the 5-1/2" casing in the vertical and curve sections of the well. A 6-1/8" hole will be drilled for the 4-1/2" casing in the lateral section of the well.

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)

RECEIVED: Jul. 06, 2012

All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Surface	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	237 203	15%	15.8	1.17
Production Lead	7 7/8	6,663'	Premium Lite II w/ 3% KCl + 10% bentonite	1328 407	15%	11.0	3.26
Production Tail	6 1/8	3,962'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite Foam Slurry	429 346	15%	12.5	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

The lateral will be cemented with a foam cement

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval	Description
Surface - 500'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
500' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 9.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from KOP to the base of the surface casing. A compensated neutron/formation density log will be run from KOP to the top of the Garden Gulch formation. A cement bond log will be run from KOP to the cement top behind the production casing.

RECEIVED: Jul. 06, 2012

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.43 psi/ft gradient.

6,348' x 0.43 psi/ft = 2750 psi

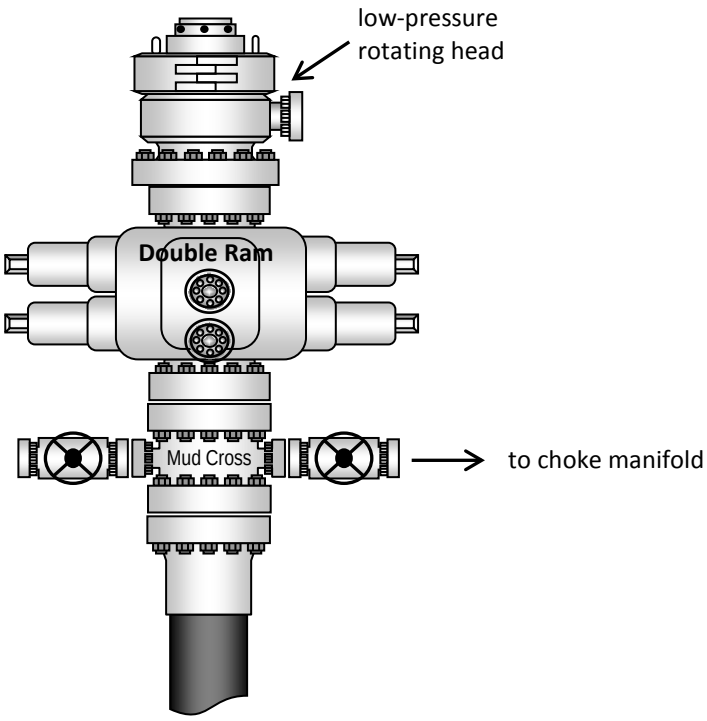
No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

The well will be drilled vertically to a kick-off point of 5,828'
Directional tools will then be used to build to 91.87 degrees inclination.
The hole size in the lateral will be reduced to 6-1/8". The lateral drilled to the bottomhole location shown on the plat.
A tapered string of production casing will be run in the well, with 5-1/2" casing in the vertical and curve portions and 4-1/2" casing in the lateral portion.
A system of open hole packers will be used to provide multi-stage frac isolation in the lateral.
A set of open hole packers will be placed at kick-off point to isolate the lateral. A port cementing collar will placed above the packers and will be used to cement the vertical portion of the well bore.

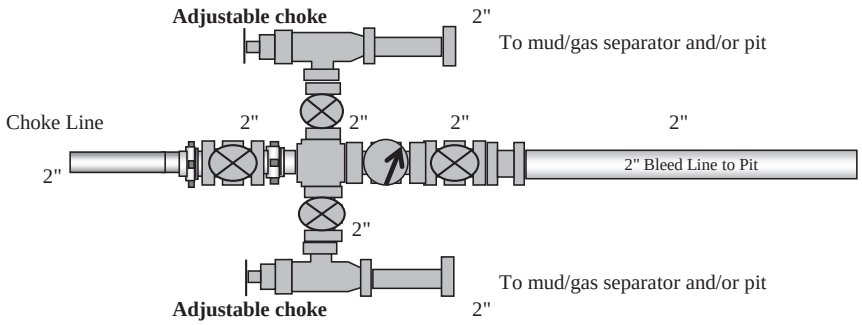
RECEIVED: Jul. 06, 2012

Typical 2M BOP stack configuration



RECEIVED: Jul. 06, 2012

Typical 2M Choke Manifold Configuration



RECEIVED: Jul. 06, 2012

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-21836

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: GMBU 1-32-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301350157

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 32, T8S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
06/05/2012	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Spud Notice
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5/3/11 MIRU Ross #29. Spud well @9:00 AM. Drill 510' of 12 1/4" hole with air mist. TIH W/ 12 Jt's 8 5/8" J-55 24# csgn. Set @ 508.01. On 6/5/12 cement with 250 sks of class "G" w/ 2% CaCL2 Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 6 barrels cement to pit. WOC.

RECEIVED
JUL 03 2012
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Branden Arnold TITLE

SIGNATURE DATE 06/07/2012

(This space for State use only)

Casing / Liner Detail

Well GMBU 1-32-8-16H

Prospect Monument Butte

Foreman

Run Date:

String Type Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
508.59			KB 13 FT		
508.59	1.42		Wellhead		
510.01	-2.00	-1	Cutoff	8.625	
13.00	448.94	11	8 5/8" surface casing	8.625	
461.94	45.75	1	Shoe JT	8.625	
507.69	0.90	1	Guide shoe	8.625	
508.59			-		

Cement Detail

Cement Company: Baker Hughes

Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft^3)	Description - Slurry Class and Additives
Slurry 1	250	15.8	1.17	292.5	Class G + 2% CaCl

Stab-In-Job?	No
BHT:	0
Initial Circulation Pressure:	
Initial Circulation Rate:	
Final Circulation Pressure:	
Final Circulation Rate:	
Displacement Fluid:	Water
Displacement Rate:	
Displacement Volume:	
Mud Returns:	
Centralizer Type And Placement:	

Middle of the first and everyone after that for a total of 3

Cement To Surface?	Yes
Est. Top of Cement:	0
Plugs Bumped?	Yes
Pressure Plugs Bumped:	405
Floats Holding?	No
Casing Stuck On / Off Bottom?	No
Casing Reciprocated?	No
Casing Rotated?	No
CIP:	10:40
Casing Wt Prior To Cement:	
Casing Weight Set On Slips:	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21836

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 1-32-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013501570000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1017 FNL 0639 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/8/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was placed on production on 09/08/2012 at 16:00 hours. Production Start sundry re-sent 11/27/2012.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 28, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician
SIGNATURE N/A		**DATE** 11/27/2012

RECEIVED: Nov. 27, 2012

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: ML-21836

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GMBU (GRRV)

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: GMBU 1-32-8-16H

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435) 646-3721

9. AFI Well No.: 43-013-50157

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface ~~760'~~ 1017 FNL & ~~776'~~ 639 FEL (NE/NE) Sec. 32, T8S, R16E (ML-21836)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 32, T8S, R16E

At top prod. interval reported below 1512' FNL & 1110' FEL (SE/NE) SEC. 32, T8S, R16E (ML-21836)

At total depth SEC. 32, T8S, R16E (ML-21836)

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 05/31/2012

15. Date T.D. Reached: 07/30/2012

16. Date Completed: ☐ D & A ☑ Ready to Prod. 09/08/2012

17. Elevations (DF, RKB, RT, GL)*: 5689' GL 5702' KB

18. Total Depth: MD 10554' TVD 6233'

19. Plug Back T.D.: MD 10497' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	509'		250 CLASS "G"			
6-1/4"	4-1/2" P-110	13.5#	0	10544'		450 EXTENDA		1690'	
						360 ELASTISE			
						15 ELASTISEA			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT @ 5959'	TA @ 5635'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ~~Green River~~ Wasatch	6820' MD	10441' MD	10430-10441' MD	Abrasive	18	
B)			6820-10242' MD	.40"	513	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6820-10242' MD	Frac w/ 2097284#s 30/50 white sand and 70116#s 100 mesh; 22148 bbls Lightning 17 fluid; 20 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
9/8/12	9/18/12	24	→	65	23	60			2-1/2" x 1-3/4" x 16' x 20' x 22' RHBC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				CASTLE PEAK	5867'
				BASAL CARBONATE	6294'
				BASAL CARBONATE 'D'	6375'
				Wasatch	6289

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Daily Completion Report

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Jennifer Peatross Title Production Technician

Signature Date 11/28/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Weatherford

Company: Newfield | Job Number: 4026169 | Proposed Azimuth: 204.86 | PBHL TARGET
Field: Monument Butte | Magnetic Decl: 11.25 | Target Inclination: 88.90 | TVD 6217.00
County: Duchesne | Grid Corr: 0.00 | TVD: 6343.00 | VS 4497.04
Well Name: GMBU #1-32-8-16H | Total Survey Corr: 11.25 | N/S 4080.39 S
Rig: Capstar #328 | Date Printed: 6-Feb-13 | E/W 1890.45 W

Bit Projection		Depth (ft)	10554	INC		Azimuth		TVD	0.00	VS	0.00	N/S	0.00 N	E/W	0.00 E
								Coordinates			Closure				
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Length(ft)	TVD (ft)	VS (ft)	N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)	Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')
0	Tie-In	0	0.00	0.00	N 0.00 E	0	0.00	0.00	0.00 S	0.00 E	0.00	180.00			
1	MWD	554	0.81	38.78	N 38.78 E	554	553.98	-3.80	3.05 N	2.45 E	3.92	38.78	0.15	0.15	7.00
2	MWD	649	0.84	45.26	N 45.26 E	95	648.97	-5.11	4.07 N	3.37 E	5.28	39.63	0.10	0.03	6.82
3	MWD	770	0.79	48.47	N 48.47 E	121	769.96	-6.70	5.24 N	4.62 E	6.99	41.40	0.06	-0.04	2.65
4	MWD	861	0.80	54.46	N 54.46 E	91	860.95	-7.83	6.03 N	5.61 E	8.23	42.93	0.09	0.01	6.58
5	MWD	951	0.75	75.63	N 75.63 E	90	950.94	-8.75	6.54 N	6.69 E	9.36	45.65	0.32	-0.06	23.52
6	MWD	1042	1.06	74.88	N 74.88 E	91	1041.93	-9.66	6.91 N	8.08 E	10.63	49.47	0.34	0.34	-0.82
7	MWD	1133	1.14	74.01	N 74.01 E	91	1132.91	-10.80	7.38 N	9.76 E	12.24	52.93	0.09	0.09	-0.96
8	MWD	1223	0.94	67.63	N 67.63 E	90	1222.90	-11.93	7.90 N	11.31 E	13.80	55.04	0.26	-0.22	-7.09
9	MWD	1314	1.04	68.11	N 68.11 E	91	1313.89	-13.07	8.50 N	12.76 E	15.33	56.35	0.11	0.11	0.53
10	MWD	1404	1.00	84.63	N 84.63 E	90	1403.87	-14.06	8.87 N	14.30 E	16.83	58.18	0.33	-0.04	18.36
11	MWD	1495	0.89	76.33	N 76.33 E	91	1494.86	-14.90	9.12 N	15.78 E	18.22	59.99	0.19	-0.12	-9.12
12	MWD	1586	0.63	79.50	N 79.50 E	91	1585.85	-15.63	9.37 N	16.96 E	19.38	61.07	0.29	-0.29	3.48
13	MWD	1676	0.81	86.38	N 86.38 E	90	1675.84	-16.22	9.50 N	18.08 E	20.43	62.27	0.22	0.20	7.64
14	MWD	1767	1.20	208.90	S 28.90 W	91	1766.84	-15.58	8.71 N	18.26 E	20.23	64.50	1.95	0.43	134.64
15	MWD	1857	1.80	210.85	S 30.85 W	90	1856.81	-13.23	6.67 N	17.08 E	18.34	68.66	0.67	0.67	2.17
16	MWD	1948	0.81	205.13	S 25.13 W	91	1947.78	-11.17	4.86 N	16.08 E	16.79	73.17	1.10	-1.09	-6.29
17	MWD	2038	1.06	204.00	S 24.00 W	90	2037.77	-9.70	3.53 N	15.47 E	15.86	77.16	0.28	0.28	-1.26
18	MWD	2129	0.99	203.56	S 23.56 W	91	2128.75	-8.07	2.04 N	14.81 E	14.95	82.17	0.08	-0.08	-0.48
19	MWD	2220	1.00	194.88	S 14.88 W	91	2219.74	-6.51	0.55 N	14.29 E	14.30	87.80	0.17	0.01	-9.54
20	MWD	2310	1.13	200.25	S 20.25 W	90	2309.72	-4.85	1.04 S	13.78 E	13.82	94.33	0.18	0.14	5.97
21	MWD	2401	1.00	202.25	S 22.25 W	91	2400.71	-3.16	2.62 S	13.17 E	13.43	101.25	0.15	-0.14	2.20
22	MWD	2491	1.21	199.08	S 19.08 W	90	2490.69	-1.43	4.24 S	12.56 E	13.26	108.67	0.24	0.23	-3.52
23	MWD	2582	1.38	197.75	S 17.75 W	91	2581.67	0.61	6.20 S	11.92 E	13.43	117.48	0.19	0.19	-1.46
24	MWD	2672	1.25	204.13	S 24.13 W	90	2671.65	2.67	8.12 S	11.18 E	13.82	126.00	0.22	-0.14	7.09
25	MWD	2763	1.31	200.88	S 20.88 W	91	2762.62	4.70	10.00 S	10.41 E	14.43	133.86	0.10	0.07	-3.57
26	MWD	2854	1.65	199.32	S 19.32 W	91	2853.59	7.04	12.21 S	9.60 E	15.53	141.82	0.38	0.37	-1.71
27	MWD	2944	1.56	199.38	S 19.38 W	90	2943.56	9.55	14.59 S	8.77 E	17.02	148.99	0.10	-0.10	0.07
28	MWD	3034	1.75	191.75	S 11.75 W	90	3033.52	12.11	17.09 S	8.08 E	18.90	154.69	0.32	0.21	-8.48
29	MWD	3125	0.50	184.63	S 4.63 W	91	3124.50	13.84	18.85 S	7.77 E	20.38	157.60	1.38	-1.37	-7.82
30	MWD	3216	0.19	193.63	S 13.63 W	91	3215.50	14.36	19.39 S	7.70 E	20.86	158.34	0.34	-0.34	9.89
31	MWD	3306	0.21	18.94	N 18.94 E	90	3305.50	14.34	19.38 S	7.72 E	20.86	158.28	0.44	0.02	-194.10
32	MWD	3397	0.06	272.00	N 88.00 W	91	3396.50	14.19	19.22 S	7.72 E	20.71	158.11	0.26	-0.16	-117.52
33	MWD	3488	0.38	302.38	N 57.62 W	91	3487.50	14.17	19.06 S	7.42 E	20.45	158.72	0.36	0.35	33.38
34	MWD	3579	0.63	256.25	S 76.25 W	91	3578.49	14.44	19.01 S	6.68 E	20.15	160.64	0.50	0.27	-50.69
35	MWD	3669	0.67	273.55	N 86.45 W	90	3668.49	14.94	19.10 S	5.67 E	19.92	163.45	0.22	0.04	19.22
36	MWD	3760	0.63	251.25	S 71.25 W	91	3759.48	15.48	19.23 S	4.67 E	19.78	166.35	0.28	-0.04	-24.51
37	MWD	3850	0.88	253.13	S 73.13 W	90	3849.47	16.28	19.58 S	3.54 E	19.90	169.75	0.28	0.28	2.09
38	MWD	3941	1.13	236.63	S 56.63 W	91	3940.46	17.51	20.28 S	2.12 E	20.39	174.03	0.42	0.27	-18.13
39	MWD	4032	1.34	246.29	S 66.29 W	91	4031.44	19.07	21.20 S	0.40 E	21.21	178.92	0.32	0.23	10.62
40	MWD	4122	1.44	228.50	S 48.50 W	90	4121.41	20.90	22.38 S	1.41 W	22.42	183.61	0.49	0.11	-19.77
41	MWD	4213	1.31	272.13	N 87.87 W	91	4212.39	22.34	23.09 S	3.31 W	23.33	188.15	1.13	-0.14	47.95
42	MWD	4303	1.31	263.75	S 83.75 W	90	4302.37	23.27	23.17 S	5.36 W	23.78	193.02	0.21	0.00	-9.31
43	MWD	4394	1.39	253.11	S 73.11 W	91	4393.34	24.55	23.60 S	7.45 W	24.75	197.52	0.29	0.09	-11.69
44	MWD	4484	1.06	263.75	S 83.75 W	90	4483.32	25.70	24.01 S	9.32 W	25.76	201.22	0.44	-0.37	11.82
45	MWD	4575	1.31	240.63	S 60.63 W	91	4574.30	26.98	24.61 S	11.06 W	26.98	204.21	0.59	0.27	-25.41
46	MWD	4665	1.56	240.38	S 60.38 W	90	4664.27	28.81	25.72 S	13.03 W	28.83	206.86	0.28	0.28	-0.28
47	MWD	4756	1.35	245.85	S 65.85 W	91	4755.24	30.63	26.77 S	15.08 W	30.73	209.39	0.28	-0.23	6.01
48	MWD	4847	1.50	225.50	S 45.50 W	91	4846.22	32.56	28.05 S	16.91 W	32.75	211.09	0.58	0.16	-22.36
49	MWD	4937	1.75	199.00	S 19.00 W	90	4936.18	35.02	30.17 S	18.20 W	35.23	211.09	0.87	0.28	-29.44
50	MWD	5028	0.81	206.88	S 26.88 W	91	5027.16	37.05	32.06 S	18.94 W	37.23	210.57	1.05	-1.03	8.66
51	MWD	5118	1.39	188.07	S 8.07 W	90	5117.14	38.73	33.71 S	19.38 W	38.88	209.90	0.75	0.64	-20.90
52	MWD	5209	1.53	195.36	S 15.36 W	91	5208.11	40.99	35.97 S	19.86 W	41.09	208.90	0.26	0.15	8.01
53	MWD	5300	0.38	219.63	S 39.63 W	91	5299.10	42.48	37.37 S	20.37 W	42.57	208.59	1.31	-1.26	26.67
54	MWD	5390	1.25	219.00	S 39.00 W	90	5389.09	43.72	38.37 S	21.18 W	43.83	208.90	0.97	0.97	-0.70
55	MWD	5481	1.64	219.78	S 39.78 W	91	5480.06	45.94	40.14 S	22.64 W	46.08	209.42	0.43	0.43	0.86
56	MWD	5572	1.94	209.25	S 29.25 W	91	5571.01	48.73	42.48 S	24.22 W	48.90	209.69	0.49	0.33	-11.57

Weatherford

Company: Newfield | Job Number: 4026169 | Proposed Azimuth: 204.86 | PBHL TARGET
Field: Monument Butte | Magnetic Decl: 11.25 | Target Inclination: 88.90 | TVD 6217.00
County: Duchesne | Grid Corr: 0.00 | TVD: 6343.00 | VS 4497.04
Well Name: GMBU #1-32-8-16H | Total Survey Corr: 11.25 | N/S 4080.39 S
Rig: Capstar #328 | Date Printed: 6-Feb-13 | E/W 1890.45 W

Bit Projection		Depth (ft)	10554	INC		Azimuth		TVD	0.00	VS	0.00	N/S	0.00 N	E/W	0.00 E

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Length(ft)	TVD (ft)	VS (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Dist (ft)	Closure Ang (°)	Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')
57	MWD	5653	1.12	224.81	S 44.81 W	81	5651.98	50.84	44.24 S	25.45 W	51.04	209.91	1.13	-1.01	19.21
58	MWD	5669	0.91	226.98	S 46.98 W	16	5667.98	51.11	44.44 S	25.65 W	51.31	210.00	1.33	-1.31	13.56
59	MWD	5714	0.88	199.13	S 19.13 W	45	5712.98	51.78	45.01 S	26.03 W	51.99	210.04	0.96	-0.07	-61.89
60	MWD	5759	5.78	207.23	S 27.23 W	45	5757.89	54.39	47.35 S	27.18 W	54.60	209.85	10.91	10.89	18.00
61	MWD	5805	9.94	207.50	S 27.50 W	46	5803.44	60.67	52.94 S	30.07 W	60.88	209.60	9.04	9.04	0.59
62	MWD	5850	13.13	214.38	S 34.38 W	45	5847.53	69.60	60.60 S	34.75 W	69.86	209.83	7.71	7.09	15.29
63	MWD	5895	17.39	215.34	S 35.34 W	45	5890.94	81.26	70.31 S	41.53 W	81.66	210.57	9.48	9.47	2.13
64	MWD	5941	21.67	210.37	S 30.37 W	46	5934.28	96.48	83.25 S	49.81 W	97.01	210.89	9.97	9.30	-10.80
65	MWD	5986	26.89	204.13	S 24.13 W	45	5975.29	114.94	99.72 S	58.18 W	115.45	210.26	12.91	11.60	-13.87
66	MWD	6031	32.19	202.50	S 22.50 W	45	6014.43	137.11	120.10 S	66.93 W	137.49	209.13	11.91	11.78	-3.62
67	MWD	6077	36.19	202.63	S 22.63 W	46	6052.47	162.93	143.96 S	76.85 W	163.19	208.09	8.70	8.70	0.28
68	MWD	6122	39.69	204.50	S 24.50 W	45	6087.96	190.58	169.31 S	87.92 W	190.78	207.44	8.19	7.78	4.16
69	MWD	6167	44.69	206.50	S 26.50 W	45	6121.29	220.79	196.56 S	100.95 W	220.97	207.18	11.50	11.11	4.44
70	MWD	6213	45.89	207.08	S 27.08 W	46	6153.65	253.46	225.75 S	115.69 W	253.66	207.13	2.76	2.61	1.26
71	MWD	6258	47.17	206.89	S 26.89 W	45	6184.61	286.10	254.85 S	130.50 W	286.32	207.12	2.86	2.84	-0.42
72	MWD	6303	50.94	204.75	S 24.75 W	45	6214.10	320.07	285.44 S	145.29 W	320.29	206.98	9.11	8.38	-4.76
73	MWD	6349	54.19	203.38	S 23.38 W	46	6242.06	356.59	318.79 S	160.17 W	356.77	206.68	7.45	7.07	-2.98
74	MWD	6394	57.41	203.12	S 23.12 W	45	6267.35	393.79	352.98 S	174.86 W	393.92	206.35	7.17	7.16	-0.58
75	MWD	6439	61.69	202.50	S 22.50 W	45	6290.15	432.55	388.74 S	189.89 W	432.64	206.03	9.58	9.51	-1.38
76	MWD	6485	69.17	201.74	S 21.74 W	46	6309.26	474.30	427.47 S	205.62 W	474.35	205.69	16.33	16.26	-1.65
77	MWD	6530	76.88	202.38	S 22.38 W	45	6322.39	517.26	467.32 S	221.78 W	517.28	205.39	17.19	17.13	1.42
78	MWD	6575	77.65	202.14	S 22.14 W	45	6332.31	561.11	507.95 S	238.41 W	561.11	205.14	1.79	1.71	-0.53
79	MWD	6621	81.17	201.53	S 21.53 W	46	6340.76	606.25	549.91 S	255.22 W	606.25	204.90	7.76	7.65	-1.33
80	MWD	6666	88.88	202.10	S 22.10 W	45	6344.66	650.99	591.50 S	271.87 W	650.99	204.68	17.18	17.13	1.27
81	MWD	6681	89.06	202.00	S 22.00 W	15	6344.93	665.97	605.40 S	277.50 W	665.97	204.63	1.37	1.20	-0.67
82	MWD	6695	88.69	202.27	S 22.27 W	14	6345.21	679.95	618.37 S	282.77 W	679.96	204.57	3.27	-2.64	1.93
83	MWD	6740	89.21	201.75	S 21.75 W	45	6346.03	724.88	660.08 S	299.64 W	724.91	204.42	1.63	1.16	-1.16
84	MWD	6785	89.18	202.46	S 22.46 W	45	6346.66	769.83	701.77 S	316.57 W	769.87	204.28	1.58	-0.07	1.58
85	MWD	6830	88.67	203.24	S 23.24 W	45	6347.51	814.79	743.23 S	334.04 W	814.84	204.20	2.07	-1.13	1.73
86	MWD	6876	88.50	203.75	S 23.75 W	46	6348.64	860.76	785.40 S	352.37 W	860.83	204.16	1.17	-0.37	1.11
87	MWD	6921	87.56	205.00	S 25.00 W	45	6350.19	905.73	826.37 S	370.93 W	905.80	204.17	3.47	-2.09	2.78
88	MWD	6966	87.19	204.13	S 24.13 W	45	6352.25	950.69	867.25 S	389.62 W	950.75	204.19	2.10	-0.82	-1.93
89	MWD	7010	86.59	202.74	S 22.74 W	44	6354.64	994.61	907.56 S	407.09 W	994.68	204.16	3.44	-1.36	-3.16
90	MWD	7056	86.13	200.38	S 20.38 W	46	6357.56	1040.43	950.25 S	423.96 W	1040.54	204.04	5.22	-1.00	-5.13
91	MWD	7101	89.19	200.38	S 20.38 W	45	6359.40	1085.25	992.39 S	439.62 W	1085.41	203.89	6.80	6.80	0.00
92	MWD	7146	90.81	201.50	S 21.50 W	45	6359.40	1130.15	1034.42 S	455.70 W	1130.35	203.78	4.38	3.60	2.49
93	MWD	7192	91.87	202.62	S 22.62 W	46	6358.32	1176.08	1077.04 S	472.97 W	1176.31	203.71	3.35	2.30	2.43
94	MWD	7237	90.88	202.38	S 22.38 W	45	6357.24	1221.02	1118.60 S	490.19 W	1221.29	203.66	2.26	-2.20	-0.53
95	MWD	7282	91.25	202.50	S 22.50 W	45	6356.40	1265.98	1160.19 S	507.36 W	1266.27	203.62	0.86	0.82	0.27
96	MWD	7328	94.36	203.83	S 23.83 W	46	6354.15	1311.89	1202.42 S	525.43 W	1312.21	203.60	7.35	6.76	2.89
97	MWD	7373	94.63	203.50	S 23.50 W	45	6350.63	1356.75	1243.51 S	543.44 W	1357.07	203.61	0.95	0.60	-0.73
98	MWD	7418	94.82	205.09	S 25.09 W	45	6346.92	1401.59	1284.38 S	561.89 W	1401.91	203.63	3.55	0.42	3.53
99	MWD	7463	95.63	206.00	S 26.00 W	45	6342.82	1446.40	1324.82 S	581.21 W	1446.70	203.69	2.70	1.80	2.02
100	MWD	7509	96.06	206.13	S 26.13 W	46	6338.14	1492.15	1365.92 S	601.32 W	1492.42	203.76	0.98	0.93	0.28
101	MWD	7554	95.41	206.62	S 26.62 W	45	6333.64	1536.91	1406.04 S	621.21 W	1537.15	203.84	1.81	-1.44	1.09
102	MWD	7600	95.69	206.75	S 26.75 W	46	6329.19	1582.67	1446.94 S	641.77 W	1582.88	203.92	0.67	0.61	0.28
103	MWD	7645	95.01	206.90	S 26.90 W	45	6325.00	1627.45	1486.93 S	661.99 W	1627.63	204.00	1.55	-1.51	0.33
104	MWD	7690	94.00	206.88	S 26.88 W	45	6321.46	1672.28	1526.94 S	682.28 W	1672.44	204.08	2.24	-2.24	-0.04
105	MWD	7736	92.38	206.38	S 26.38 W	46	6318.90	1718.18	1567.99 S	702.87 W	1718.32	204.14	3.69	-3.52	-1.09
106	MWD	7781	91.63	206.13	S 26.13 W	45	6317.33	1763.14	1608.32 S	722.76 W	1763.26	204.20	1.76	-1.67	-0.56
107	MWD	7826	92.31	206.00	S 26.00 W	45	6315.78	1808.11	1648.72 S	742.52 W	1808.21	204.24	1.54	1.51	-0.29
108	MWD	7872	92.81	206.11	S 26.11 W	46	6313.72	1854.05	1690.01 S	762.70 W	1854.14	204.29	1.11	1.09	0.24
109	MWD	7917	92.06	205.38	S 25.38 W	45	6311.81	1899.00	1730.50 S	782.23 W	1899.09	204.32	2.32	-1.67	-1.62
110	MWD	7962	92.00	206.38	S 26.38 W	45	6310.22	1943.97	1770.96 S	801.86 W	1944.04	204.36	2.22	-0.13	2.22
111	MWD	8007	91.38	207.50	S 27.50 W	45	6308.89	1988.92	1811.06 S	822.24 W	1988.98	204.42	2.84	-1.38	2.49
112	MWD	8052	92.38	208.13	S 28.13 W	45	6307.42	2033.83	1850.84 S	843.23 W	2033.87	204.49	2.63	2.22	1.40
113	MWD	8098	91.99	208.52	S 28.52 W	46	6305.66	2079.71	1891.30 S	865.04 W	2079.74	204.58	1.20	-0.85	0.85

Weatherford

Company: Newfield	Job Number: 4026169	Proposed Azimuth: 204.86	PBHL TARGET		
Field: Monument Butte	Magnetic Decl: 11.25	Target Inclination: 88.90	TVD	6217.00	
County: Duchesne	Grid Corr: 0.00	TVD: 6343.00	VS	4497.04	
Well Name: GMBU #1-32-8-16H	Total Survey Corr: 11.25		N/S	4080.39 S	
Rig: Capstar #328	Date Printed: 6-Feb-13		E/W	1890.45 W	

Bit Projection			Depth (ft)	10554	INC		Azimuth		TVD	0.00	VS	0.00	N/S	0.00 N	E/W	0.00 E
									Coordinates			Closure				
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Length(ft)	TVD (ft)	VS (ft)	N/S (ft)	E/W (ft)		Dist (ft)	Ang (°)	Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')
114	MWD	8143	91.38	209.06	S 29.06 W	45	6304.34	2124.59	1930.72 S	886.70 W		2124.60	204.67	1.81	-1.36	1.20
115	MWD	8188	91.56	209.50	S 29.50 W	45	6303.18	2169.44	1969.96 S	908.70 W		2169.44	204.76	1.06	0.40	0.98
116	MWD	8234	92.99	209.65	S 29.65 W	46	6301.36	2215.25	2009.94 S	931.39 W		2215.25	204.86	3.13	3.11	0.33
117	MWD	8279	90.63	208.38	S 28.38 W	45	6299.94	2260.10	2049.27 S	953.20 W		2260.11	204.95	5.95	-5.24	-2.82
118	MWD	8325	92.19	208.50	S 28.50 W	46	6298.80	2306.00	2089.70 S	975.10 W		2306.01	205.01	3.40	3.39	0.26
119	MWD	8370	91.27	209.08	S 29.08 W	45	6297.45	2350.87	2129.12 S	996.76 W		2350.89	205.09	2.42	-2.04	1.29
120	MWD	8415	91.75	210.25	S 30.25 W	45	6296.26	2395.70	2168.21 S	1019.02 W		2395.73	205.17	2.81	1.07	2.60

Daily Activity Report

Format For Sundry

GMBU 1-32-8-16H

7/1/2012 To 11/30/2012

8/13/2012 Day: 1 **Completion**

Stone #10 on 8/13/2012 - NU FMC frac valve. Ran CBL. NU Weatherford BOPs. Attempt pressure test w/o success. - NU Weatherford 5K double pipe rams & 5K flowcross. Attempt pressure test rams w/o success. Found leak on accumulator. Wait for new accumulator in AM. - RU FMC 10K manual frac valve. - MIRU Perforators WLT. RIH w/ CBL tool & run CBL from 6430' to surface. 4 1/2" X 5 1/2" X-over @ 6270'-84.5'. Cement top @ 1690'. - RU Stone #10.
Daily Cost: $0
Cumulative Cost: $11,151

8/14/2012 Day: 2 **Completion**

Stone #10 on 8/14/2012 - Pressure test BOPs. PU BHA & 130- jts tbg. - TIH w/ BHA & 46- jts tbg out of derrick. Continue PU total of 130- jts 2 3/8" PH-6 5.95# P-110 tbg. Fill tbg after each 309- jts & flush w/ extra 5 BW. - TOH w/ tbg and found rocks and trash in POOH. - TIH w/ BHA & 26- jts tbg out of derrick. PU 20- jts 2 3/8" PH-6 6.95# P-110 tbg. Fill tbg w/ 4 BW. Tbg pressured up to 2000 psi. - Wait on new accumulator. - PU BHA as follows: 3.795" 4 blade mill, bit sub, Bypassing abrasive perforator w/ 3 ports 120° phase, hydraulic disconnect, dual back pressure valve, X-over sub, 1- jt 2 3/8" PH6 5.95# tbg, RN profile nipple, 26- jts 2 3/8" PH-6 5.95# tbg. - RU new accumulator and pressure test pipe rams w/ low test of 200-300 psi & high test of 5000 psi. - TOH & change out perforator tool from 3 SPF 120° to 6 SPF @ 60° phasing.
Daily Cost: $0
Cumulative Cost: $18,609

8/15/2012 Day: 3 **Completion**

Stone #10 on 8/15/2012 - Continue PU tbg & tag PBTD @ 10,497'. Circulate well clean w/ 50 bbls polymer sweep & 365 BW w/ 1 got clay care & 1 got alpha 452. - LD 1- jt tbg, EOT @ 10,469'. RU adjustable choke to flow cross. SWIFN. - Continue PU 2 3/8" PH-6 5.95# P-110 tbg, filling tbg w/ wtr+ 5 bbls after each 30- jts ran. Install R nipple in top of jt # 187. Contninue PU tbg & tag PBTD @ 10,497' on jt #339. - RU RBS power swivel. Install Washington head rubber. RU pump lines. - Mix & pump 50 bbl high visc polymer sweep followed with 365 BW (w/ 1gpt clay care & 1gpt alpha 452 added) to circulate well clean while rotating & working tbg.
Daily Cost: $0
Cumulative Cost: $39,857

8/17/2012 Day: 4 **Completion**

Stone #10 on 8/17/2012 - Attempt abrasive perforating. Rig pump wasn't running correctly. Change out rig pumped. - Torque FMC 10K HCR valve, flowcross & manual frac valve w/ 4G torque unit. RU flowback equipment. - POH w/ 1-jt tbg. PU 9' X 2 3/8" tbg sub. RU power swivel. Flush tbg w/ 20 BW. Drop ball to hydraulically shift abrasive perforator. Flush tbg w/ 50 BW and pump ball down. Rig pump wasn't running correctly. - RDSU. RD pump lines & rig pump. Load TEE seal on winch truck. Prep power swivel & BOP trailer for roading. - RDSU. RD

pump lines & rig pump. Load TEE seal on winch truck. Prep power swivel & BOP trailer for roading. - RD rig floor. ND 5K double pipe rams, flowcross & Washington head. NU FMC 10K HCR valve, FMC 10K flowcross w/ double 2" 10K manual valves on each side & FMC 10K manual frac valve on top. Spot FMC accumulator & run hoses to HCR valve. Function test each "new" component of the frac stack. - RD rig floor. ND 5K double pipe rams, flowcross & Washington head. NU FMC 10K HCR valve, FMC 10K flowcross w/ double 2" 10K manual valves on each side & FMC 10K manual frac valve on top. Spot FMC accumulator & run hoses to HCR valve. Function test each "new" component of the frac stack. - Continue TOH w/ Weatherford 2 3/8" workstring & TTS BHA, LD on pipe rack as follows: 14- jts 2 3/8" PH-6 5.95# P-110 tbg, "R" profile nipple, 187- jts 2 3/8" PH-6 5.95# P-110 tbg, "RN" profile nipple, 1- jt 2 3/8" PH-6 5.95# P-110 tbg, X-over, dual back pressure valve, X-over, 2 3/8" X 4' PH-6 tbg sub, X-over, hydraulic bypassing abrasive perforator, bit sub & 4 blade mill (still looked new). Shut in manual frac valve. - Continue TOH w/ Weatherford 2 3/8" workstring & TTS BHA, LD on pipe rack as follows: 14- jts 2 3/8" PH-6 5.95# P-110 tbg, "R" profile nipple, 187- jts 2 3/8" PH-6 5.95# P-110 tbg, "RN" profile nipple, 1- jt 2 3/8" PH-6 5.95# P-110 tbg, X-over, dual back pressure valve, X-over, 2 3/8" X 4' PH-6 tbg sub, X-over, hydraulic bypassing abrasive perforator, bit sub & 4 blade mill (still looked new). Shut in manual frac valve. - Shut 2 3/8" pipe rams. RU pump line to csg. Establish injection rate of 2 1/2" BPM @ 3100 psi w/ rig pump w/ 20 BW. Open well & check for flow (no flow). - Shut 2 3/8" pipe rams. RU pump line to csg. Establish injection rate of 2 1/2" BPM @ 3100 psi w/ rig pump w/ 20 BW. Open well & check for flow (no flow). - LD 38- jts 2 3/8" PH-6 5.95# P-110 tbg. EOT @ 6238'. - LD 38- jts 2 3/8" PH-6 5.95# P-110 tbg. EOT @ 6238'. - RU power swivel. Pump 20 bbl high visc polymer sweep & circulate well clean w/ 215 BW (treated w/ 1gpt claycare & 1gpt Alpha 452) while working & rotating tbg. - RU power swivel. Pump 20 bbl high visc polymer sweep & circulate well clean w/ 215 BW (treated w/ 1gpt claycare & 1gpt Alpha 452) while working & rotating tbg. - RD power swivel. LD 100- jts 2 3/8" PH-6 5.95# P-110 tbg onto pipe racks. EOT @ 7412'. - RD power swivel. LD 100- jts 2 3/8" PH-6 5.95# P-110 tbg onto pipe racks. EOT @ 7412'. - PU 2- jts tbg & tag sand @ 10,454'. Clean out to PBTD @ 10,497' (43' of sand). Mix & pump 50 bbl high visc polymer sweep followed w/ 270 BW (w/ 1gpt claycare & 1gpt Alpha 452 added) to circulate well clean while rotating & working tbg. - PU 2- jts tbg & tag sand @ 10,454'. Clean out to PBTD @ 10,497' (43' of sand). Mix & pump 50 bbl high visc polymer sweep followed w/ 270 BW (w/ 1gpt claycare & 1gpt Alpha 452 added) to circulate well clean while rotating & working tbg. - Flush tbg w/ 20 BW. TTS abrasive perforator @ 10,440'. Start pumping .5# ppg 100 mesh sand @ 3 BPM & 2700 psi while holding 1000 psi back pressure on annulus. Abrasive perforate stage 1 @ 10,440', 10,435' & 10,430' each w/ 1" cluster of 6 SPF @ 60° phasing, using 1000# of 100 mesh in 48 bbls water for each cluster. - Flush tbg w/ 20 BW. TTS abrasive perforator @ 10,440'. Start pumping .5# ppg 100 mesh sand @ 3 BPM & 2700 psi while holding 1000 psi back pressure on annulus. Abrasive perforate stage 1 @ 10,440', 10,435' & 10,430' each w/ 1" cluster of 6 SPF @ 60° phasing, using 1000# of 100 mesh in 48 bbls water for each cluster. - Flush tbg w/ 30 BW to ensure pump was going to work. SWIFN. - Flush tbg w/ 30 BW to ensure pump was going to work. SWIFN. - RD rig pump and wait for different pump. Spot & RU rig pump. - RD rig pump and wait for different pump. Spot & RU rig pump. - POH w/ 1-jt tbg. PU 9' X 2 3/8" tbg sub. RU power swivel. Flush tbg w/ 20 BW. Drop ball to hydraulically shift abrasive perforator. Flush tbg w/ 50 BW and pump ball down. Rig pump wasn't running correctly. - Torque FMC 10K HCR valve, flowcross & manual frac valve w/ 4G torque unit. RU flowback equipment.
Daily Cost: $0
Cumulative Cost: $45,230

8/18/2012 Day: 6 **Completion**

Rigless on 8/18/2012 - Pressure test each component of the FMC frac stack & J&A flowback iron w/ low test of 200-300 psi for 5 min & high test of 10,000 psi for 10 min. - Pressure test each componant of the FMC frac stack & J&A flowback line w/ low test of 200-300 psi for 5 min & high test of 10,000 psi for 10 min. Changed out 3 valves in flowback iron that failed

tests, plus trace out & fix multiple slow leaks. - Finish torqueing FMC 10K frac stack. - Attempt pressure test on frac stack w/o success. Function valves several times attempting to work grease through them. Pressure up on flowback iron & get successful low shell test of 280 psi for 5 min. Pressure to 5000 psi and could not get successful test. Decided to try different pressure test unit later in the morning. - No activity
Daily Cost: $0
Cumulative Cost: $123,388

8/19/2012 Day: 7 **Completion**

Rigless on 8/19/2012 - Ran Sector CBL through lateral from - PU CBL tools. Pressure test lubricator to 10,000 psi for 5 min. RIH w/ WL & tie into X-over sub @ 6263-78'. Continue RIH to 6350'. Start pumping w/ Baker Hughes @ 2 BPM & increase to 4.0 BPM w/ pressure of 5600 psi. Used 80 BW (w/ 1gpt claycare & 1gpt Alpha 452 added) for pump down. Pump logging tools down to 10,444'. POOH while recording Sector CBL through lateral & into vertical to tie Sector CBL with CBL ran in vertical on 8/13/12. Monitor pressure for 15 min while logging. 5 min SIP 2361 psi, 10 min SIP 2321 psi, 15 min SIP 2323 psi. Stop recording @ 5500'. POOH w/ WL & shut in well. RD & release Perforators WLT, Baker Hughes pump trucks & four-star test unit. SDFN. - LD CBL tool &wait foe replacement to arrive. - MIRU Baker Hughes pump trucks & Perforators WLT & crane. - Held safety meeting w/ all parties discussing FRC policy, PPE, overhead loads & pressurized iron. Pressure test pump lines to 10,000 psi. Establish injection rate into perfs of 4650 psi @ 11.3 BPM w/ 70 BW (1gpt claycare, 1gpt Alpha 452 added). Bleed well off to pit. - PU CBL tools & WL lubricator. Pressure test lubricator & top side of upper manual frac valve to 10,000 psi for 10 min. Open well w/ 2000 psi. CBL tool stopped reading.
Daily Cost: $0
Cumulative Cost: $149,706

8/21/2012 Day: 8 **Completion**

Rigless on 8/21/2012 - Aaron Manning daytime supervisor, Jake Fulcher nighttime supervisor. MIRU Baker Hughes frac equipment, Pure Energy WL & 4G test unit. - MIRU Baker Hughes frac equipment, 4G test unit & Pure Energy WLT & crane. Torque frac head w/ 4G torque unit. - Held safety meeting w/ Baker Hughes frac crew, Pure Energy WL crew, 4G pressure tester, Go & Flow water transfer crew, Protechnics, J&A flowback crew, RMT gate guard & Stim Tech consultant. Topics discussed: smoking policy, FRC requirements, PPE, pressurized iron, overhead loads, radio silencing during WL operations, stop work authority, communication during pump downs & job objectives. - Prime pumps & pressure test lines to 10,000 psi.
Daily Cost: $0
Cumulative Cost: $318,584

8/22/2012 Day: 9 **Completion**

Rigless on 8/22/2012 - Frac Stage #1 w/5500# 100 mesh, 49,500# 30/50 w/ 960 bbls of Lightning 17. RIH for stage #2. Plug set high in collar @ 7982'. Attempts to move plug up or down by pulling 2300# & pumping failed to gain any movement. POOH w/guns and wait for CT. RU CTU - Open well to choke manifold, 1900 psi on well. Equalize well pressure to CT lubricator. Start RIH w/ CT while pumping 3/4 BPM & returning 3/4 BPM w/ 2155 psi circulating pressure. - Spot CTU and auxiliary equipment.NU CT well control stack as per Newfield CT manual for PC3 operations as follows from top of upper 7" 10K manual frac valve to CT injector: 7" 10K-4 1/6" 15K X-over, 4 1/6" 15K blind/shear, 4 1/16" 15K manual gate valve, 4 1/16" 15K pipe safety dressed for 2" coil, 4 1/2" 15K flowcross w/ double 15K valves on each side (inside manual valves & hydraulic outer valves), 4 1/2" 15K quad stack (2" coil

pipe rams, 2" coil slip rams, shear rams & blind rams). Function test all hydraulic components of coil stack & record open & close times of each. Completed onsite NFX & CT vendor on site check list & information recorded from S.A.S audit conducted 02/2012. Pressure tested each component of BOP stack w/ low test of 200-300 psi for 5 min & high test of 8000 psi for10 min. Had trouble getting solid pressure test on 4 1/16" 15K manual valve, grease valve & function several times. Successful test was observed & recorded. M/U TTS CT connector 2.88" OD, 1" ID w/ internal double back pressure valves. Pull tested Connector to 25K. M/U injector & lubricator onto BOP stack. Fill CT reel w/ Cudd pump truck & pressure test to 500 psi. Bleed off CT reel. Pressure test back pressure valves to 4500 psi. Pressure test 4 1/6" 15K pipe safety rams w/ low of 250 psi for 5 min & 8000 psi for 10 min. Disconnect injector & lub from stack. MU TTS hydraulic disconnect (3/4" ball) 2.88" OD .69" ID X 2.24', TTS circulating sub (rupture disc) 2.88" OD .56" ID X 1.58', TTS motor (Capable of 700-800 ft-lbs of torque @ 2 bpm) 2.88" OD, 13.18' Length, TTS full drift 4 blade concave mill 3.795" OD X 1.2' (over all length BHA 19.84'). Function test motor on surface @ 2 bpm. M/U injector & lubricator onto BOP stack. Shell test lubricator and connections while testing each stripper individually w/ low test of 200-300 psi for 5 min & high test of 8000 psi for 10 min. - Stage #1: Perfs @ 10,445-46', 10,435-36', 10,430-31' Open w/121 psi on well. Uteland Butte, Basal Carb w/ 5500#s of 100 mesh & 50,877#'s of 30/50 sand in 960 bbls of Lightning 17 fluid. Ave temp of frac fluid: 73° Broke @ 6125 psi @ 7.2 BPM. ISIP 2724 psi, FG= .87, 1 min SIP 2500 psi, 4 min SIP 2429 psi. Treated w/ ave pressure of 6318 psi @ ave rate of 32.3 BPM. ISDP 3611 psi. FG=1.01, 5 min SIP 2580 psi, 10 min SIP 2455 psi, 15 min SIP 2403 psi. Leave pressure on well. RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & perf guns. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Work rate to 10 bpm moving ~150 fpm. Take rate up to 11 bpm. Pressure @ 5500 psi and slowing falling. Line speed steady @ 210-220 fpm. - RD Pure WL, 4G test unit, frac van, three pump trucks, downjoints, & frac head to make room for Cudd 2" CT unit out of Vernal. - Tools ran away up to 375 fpm with a 200# increase in tension to 1000# & pressure spike from 5500 to 7000 psi. Shut down. Plug stuck in collar @ 7982'. Attempts to pull on plug @ 2300# and pumping on plug were unsuccessful at gaining any up or down movement. Set plug @ 7982'. POOH w/guns & setting tool. Tools inspected at surface. No sand. No visible damage. - Upon arrival of Cudd CT unit they informed us they would need more Baker Hughes frac equipment RD & removed from location for proper placement of crane needed to hold CT injector. Baker Hughes personnel RD pump lines & move necessary equipment.

Daily Cost: $0

Cumulative Cost: $342,649

8/23/2012 Day: 10 **Completion**

Rigless on 8/23/2012 - RIH w/ Cudd 2" CT & mill out plug. RIH to 10,430' to ensure wellbore was clean. POH w/ CT & RD. MIRU Baker Hughes frac equipment & Pure Energy WLT. RIH w/3.62" guage ring, junk basket, & 3 wt bars. POOH & MU HES 10K CFTFP. Plug & Perf for stg #2. - RU Halliburton 10K Obsidian composite flow through frac plug and three 3' 3-1/8"perf guns w/19gram charges, 3spf, 60 deg phasing, 0.4" EHD, 38" penetration. Pressure test to 9500 psi for 5 minutes. Open WH & RIH. Tie into crossover @ 6263'-78'. Begin pumping down w/BHI. Pump down @ 10 bpm, 7200 psi, @ 150 fpm to 10,389'. Set plug @ 10370'. Perforate on the fly @ 10340-41.5', 10290-91.5', 10240-41.5' w/ 6 spf 19 gram 60 deg phasing. POOH & RD WL. - RIH w/3.62" gauge ring, junk basket, CCL, & 3 wt bars. Tie into X-over @ 6263-78'. Begin pump down ops and pump down WL to 10390' @ 150 fpm, 15 bpm, 7800 psi. POOH w/WL. - Pressure test pump lines to 9975 psi. Set N2 pop-off @ 9720 psi. PU 3.625" gauge ring w/ weight bars & CCL. Pressure test lubricator to 9750 psi. Ring gasket was leaking on frac head. Change ring gasket & pressure test lubricator & frac head. - Held safety meeting w/ Baker Hughes frac crew, Pure Energy WL crew, 4G pressure tester, Go & Flow water transfer crew, Protechnics, J&A flowback crew, RMT gate guard & Stim Tech consultant. Topics discussed: smoking policy, FRC requirements, PPE, pressurized iron, overhead loads,

radio silencing during WL operations, stop work authority, communication during pump downs & job objectives. - Continue RIH w/ CT while circulating bbl in/bbl out @ 3/4 BPM. Perform weight checks @ 5200' 9000#s, 6200' 12,000#s. Increase rate to 2 1/2 BPM continue bbl in/bbl out @ 1:18 AM, 6300'. Continue RIH w/ CT. - Disconnect injector & lubricator from well control stack. LD BHA. NU lubricator & injector to stack. RD Cudd pump truck. Spot & RU Cudd N2 unit & pump lines. Blow reel dry w/ N2. RD injector & lubricator. ND well control stack. RD Cudd CT unit. - POH w/ CT @ 35-40' fpm through lateral, while circulating 2.5 BPM. Pump 20 bbl high visc polymer sweep @ 6:00 AM (8100') to be exiting tbg through low spot @ 7100-7400'. Bump up in lubricator & shut in well @ 8:40 AM. - Continue RIH w/ CT to 10,430' while circulating @ 2.5 BPM, bbl in/bbl out. Pump 20 bbl high visc sweep @ 4:22 AM, 4400 psi circulating pressure 1200 psi wellhead pressure. Wait for sweep to exit EOT. - Tag plug @ 8,003' (CT depth). PU weight 15,000#s. Mill out plug in 30 min w/ 2 stalls on motor. Pump 10 bbl high visc polymer sweep. Circulating pressure 4500 psi, wellhead pressure 1300 psi. - MIRU Baker Hughes frac equipment & Pure Energy WLT.
Daily Cost: $0
Cumulative Cost: $441,294

8/24/2012 Day: 11 **Completion**

Rigless on 8/24/2012 - Perf and Frac Stg 3,4,5,6,7& 8 - Wireline had about a thirty minute delay do to a short in the slip ring compartment. RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 9060' w/124 bbls. Set plug @ 9037.5'. Perforate on the fly stage #9 @ 9006-07.5', 8960-61.5', & 8910-11.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Pressure test BHI lines and N2 popoff (252 psi) popped @ 9800 psi. Stage #2: Perfs @ 10340-41.5', 10290-91.5', 10240-41.5' Open w/2372 psi on well. Uteland Butte, Basal Carb w/ 5488#s of 100 mesh & 71550#'s of 30/50 sand in 1369 bbls of Lightning 17 fluid. Ave temp of frac fluid: 74° Broke @ 4430 psi @ 8.3 BPM. Treated w/ ave pressure of 6183 psi @ ave rate of 32.5 BPM. ISDP 3055 psi. FG=0.92, 5 min SIP 2492 psi, 10 min SIP 2413 psi, 15 min SIP 2373 psi. Total fluid 2123 bbls pumped. RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit for 5 minutes. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 9290' w/131.7 bbls. Set plug @ 9261.5'. Perforate on the fly stage #8 @ 9205-06.5', 9160-61.5', & 9096-97.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #7, Uteland Butte/Bsl Carb NP HZ. 2326 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 107000#s of 30/50 white sand in 1410.4 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 184 bbls slickwater @ 11.5 BPM to pump ball & seat in plug. Broke @ 5257 psi, 11.5 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 6412 psi @ ave rate of 35.1 BPM. Flush w/ 186 bbls slickwater @ 35.5 BPM, 5720 psi. ISDP 3770 psi. FG=1.04, 5 min SIP 3348 psi, 10 min SIP 3058 psi, 15 min SIP 2800 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 9470' w/144 bbls. Set plug @ 9439'. Perforate on the fly stage #7 @ 9390-91.5', 9344-51.5', & 9293-94.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #6, Uteland Butte/Bsl Carb NP HZ. 2277 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 109,898#s of 30/50 white sand in 912 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 184 bbls slickwater @ 11.4 BPM to pump ball & seat in plug. Broke @ 6042 psi,

11.4 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 6120 psi @ ave rate of 35.5 BPM. Flush w/ 188.9 bbls slickwater @ 36 BPM, 5210 psi. ISDP 3509 psi. FG=.8, 5 min SIP 2925 psi, 10 min SIP 2685 psi, 15 min SIP 2570 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 9644' w/256 bbls. Set plug @ 9616'. Perforate on the fly stage #6 @ 9580-81.5', 9530-31.5', & 9480-81.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #5, Uteland Butte/Bsl Carb NP HZ. 2275 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 109,682#s of 30/50 white sand in 915 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 176 bbls slickwater @ 14 BPM to pump ball & seat in plug. Broke @ 6942 psi, 14 BPM. Ave temp of frac fluid: 78°. Treated w/ ave pressure of 7177 psi @ ave rate of 34.5 BPM. Flush w/ 192.5 bbls slickwater @ 36 BPM, 6360 psi. ISDP 4253 psi. FG=1.1, 5 min SIP 4076 psi, 10 min SIP 2921 psi, 15 min SIP 2972 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 9811' w/184 bbls. Set plug @ 9794'. Perforate on the fly stage #5 @ 9761-62.5', 9710-11.5', & 9670-71.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #4, Uteland Butte/Bsl Carb NP HZ. 2110 psi on well. Frac Uteland Butte NP Hz w/ 5,500#'s of 100 Mesh & 104,164#s of 30/50 white sand in 1512 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 187.2 bbls slickwater @ 14.7 BPM to pump ball & seat in plug. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 6278 psi @ ave rate of 34.2 BPM. Flush w/ 192.8 bbls slickwater @ 35 BPM, 5680 psi. ISDP 3445 psi. FG=.98, 5 min SIP 3074 psi, 10 min SIP 2856 psi, 15 min SIP 2654 psi. Leave pressure on well. - RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & perf guns. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 10017' w/221 bbls. Set plug @ 10,017'. Perforate on the fly stage #4 @ 9960-61.5', 9896-97.5', & 9852-53.5' w/three 1.5' 6SPF 60 deg 19 gram for a total of 27 holes. EHD 0.4" & 38" penetration. POOH w/WL RD. Turn well over to Baker Hughes. - Pressure test BHI lines and N2 popoff @ 251 psi; bottle @ 1770 psi. Stage #3: Perfs @ 10150-51.5', 10100-01.5', 10050-51.5' Open w/2240 psi on well. Uteland Butte, Basal Carb w/ 5570#s of 100 mesh & x74904's of 30/50 sand in 1444 bbls of Lightning 17 fluid. Ave temp of frac fluid: 73° Broke @ 4492 psi @ 9.7 BPM. Treated w/ ave pressure of 6092 psi @ ave rate of 31.8 BPM. ISDP 2835 psi. FG=0.89, 5 min SIP 2521 psi, 10 min SIP 2397 psi, 15 min SIP 2336 psi. Total fluid 2068 bbls pumped. During 2# stage gel visc dropped to 10 cp, gelled up a little heavy when issue corrected. As a result saw a friction pressure increase during 3# stage. RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit for 5 minutes. - RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & perf guns. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 10108' w/201 bbls. Set plug @ 10193'. Perforate on the fly for stage #3 @ 10150-51.5', 10100-01.5', & 10050-51.5' w/three 1.5' 6SPF 60 deg 19 gram for a total of 27 holes. EHD 0.4" & 38" penetration. POOH w/WL RD. Turn well over to Baker Hughes. - Leak on lubricator hammer union developed at the end of pressure test. Bleed pressure off lubricator. Knock lubricator off WH. Replace 4" rubber. Stab lubricator back on and retest to 9500 psi for 5 min. - Stage #8, Uteland Butte/Bsl Carb NP HZ. 2251 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 107000#s of 30/50 white sand in 1182 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 179.4 bbls slickwater @ 11.4 BPM to pump ball & seat in plug. Broke @ 6500 psi, 11.4 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 5584 psi @ ave rate of 35 BPM. Flush w/ 183 bbls slickwater @ BPM, 35 psi. ISDP3569 psi. FG=1.02, 5 min SIP 3230 psi, 10 min SIP 2932 psi, 15 min SIP 2720 psi. Leave pressure on well.

Daily Cost: $0

Cumulative Cost: $501,253

8/25/2012 Day: 12 **Completion**

Rigless on 8/25/2012 - Continue Frac ops - Had short in WL. Found short & repaired. - Stage #12. 2171 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 105,735#s of 30/50 white sand in 1024 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 161 bbls slickwater to pump ball & seat in plug. Broke @ 6348 psi, 12.1 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 5499 psi @ ave rate of 35.1 BPM. Flush w/ 171 bbls slickwater @ 35 BPM, psi. ISDP 4917 psi. FG=1.1, 5 min SIP 4039 psi, 10 min SIP 3883 psi, 15 min SIP 3688 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 8497' w/105 bbls. Set plug @ 8482'. Perforate on the fly stage #12 @ 8440-41.5', 8390-91.5', & 8346-47.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #11. 2306 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 103,955#s of 30/50 white sand in 1037 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 167 bbls slickwater to pump ball & seat in plug. Broke @ 7558 psi, 18.1 BPM. Ave temp of frac fluid: 75°. Treated w/ ave pressure of 6384 psi @ ave rate of 34.6 BPM. Flush w/ 173 bbls slickwater @ 35 BPM, psi. ISDP 3431 psi. FG=.98, 5 min SIP 2976 psi, 10 min SIP 2620 psi, 15 min SIP 2416 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 8695' w/119 bbls. Set plug @ 8667'. Perforate on the fly stage #11 @ 8630-31.5', 8580-81.5', & 8541-2.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #16. 2272 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 106747#s of 30/50 white sand in 914 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 149 bbls slickwater to pump ball & seat in plug. Broke @ 6032 psi, 12.0 BPM. Ave temp of frac fluid: 79°. Treated w/ ave pressure of 5533 psi @ ave rate of 35.3 BPM. Flush w/ 163.4 bbls slickwater @ 35.5 BPM, 5353 psi. ISDP 3675 psi. FG=.92, 5 min SIP 3225 psi, 10 min SIP 2963 psi, 15 min SIP 2751 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 7741' w/ 55 bbls. Set plug @ 7716.5'. Perforate on the fly stage #16 @ 7680-81.5', 7634-7635.5', & 7573-7574.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #15. 2382 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 106747#s of 30/50 white sand in 914 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 155.4 bbls slickwater to pump ball & seat in plug. Broke @ 6280 psi, 11.1 BPM. Ave temp of frac fluid: 79°. Treated w/ ave pressure of 5705 psi @ ave rate of 35.4 BPM. Flush w/ 163.4 bbls slickwater @ 35.5 BPM, 5353 psi. ISDP 4092 psi. FG=.96, 5 min SIP 3573 psi, 10 min SIP 3264 psi, 15 min SIP 3005 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 7944' w/72.6 bbls. Set plug @ 7920'. Perforate on the fly stage #15 @ 7870-71.5', 7830-31.5', & 7790-91.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #14. 2398 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 106747#s of 30/50 white sand in 914 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 156.8 bbls slickwater to pump ball & seat in plug. Broke @ 6523 psi, 11.1 BPM. Ave temp of frac fluid: 79°. Treated w/ ave pressure of 5705 psi @ ave rate of 35.4 BPM. Flush w/ 166.7 bbls slickwater @ 35.2 BPM, psi. ISDP 3998 psi. FG=.93, 5 min SIP 3770 psi, 10 min SIP 3610 psi, 15 min SIP 3411 psi. Leave pressure on well. - RU Pure Energy WLT,

crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 8110' w/79 bbls. Set plug @ 8084'. Perforate on the fly stage #14 @ 8050-51.5', 8006-7.5', & 7960-61.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #13. 2336 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 108,646#s of 30/50 white sand in 943 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 143 bbls slickwater to pump ball & seat in plug. Broke @ 6393 psi, 11.3 BPM. Ave temp of frac fluid: 80°. Treated w/ ave pressure of 5499 psi @ ave rate of 35.1 BPM. Flush w/ 171 bbls slickwater @ 35.7 BPM, psi. ISDP 4175 psi. FG=1.1, 5 min SIP 3760 psi, 10 min SIP 3544 psi, 15 min SIP 3303 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 8290' w/80 bbls. Set plug @ 8277'. Perforate on the fly stage #13 @ 8240-41.5', 8200-01.5', & 8152-53.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #10, Uteland Butte/Bsl Carb NP HZ. 2407 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 111099#s of 30/50 white sand in 921 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 75 bbls slickwater @ 9.3 BPM to pump ball & seat in plug. Broke @ 5924 psi, 9.3 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 5551 psi @ ave rate of 34 BPM. Flush w/ 177 bbls slickwater @ 35.2 BPM, psi. ISDP 3798 psi. FG=1.04, 5 min SIP 3146 psi, 10 min SIP 2777 psi, 15 min SIP 2608 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 8892' w/119 bbls. Set plug @ 8874.5'. Perforate on the fly stage #10 @ 8820-21.5', 8776-77.5', & 8718-19.5' w/ 6 SPF, 60° phase. Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #9, Uteland Butte/Bsl Carb NP HZ. 2240 psi on well. Frac Uteland Butte NP Hz w/ 3058#'s of 100 Mesh & 111099#s of 30/50 white sand in 921 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 177 bbls slickwater @ 11.4 BPM to pump ball & seat in plug. Broke @ 5293 psi, 11.4 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 5551 psi @ ave rate of 34 BPM. Flush w/ 180 bbls slickwater @ 35.5 BPM, psi. ISDP 3890 psi. FG=1.05, 5 min SIP 3520 psi, 10 min SIP 3280 psi, 15 min SIP 3031 psi. Leave pressure on well.
Daily Cost: $0
Cumulative Cost: $754,572

8/28/2012 Day: 13 **Completion**

Rigless on 8/28/2012 - Finish fracing remaining stages. RD Baker Hughes frac equipment & Pure Energy WLT. Start flowback @ 3:00 PM w/ 12/64 choke. - Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 7541' w/ 58.2 bbls. Set plug @ 7521.5'. Perforate on the fly stage #17 @ 7490-91.5', 7440-41.5', & 7390-91.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #17. 2268 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 106747#s of 30/50 white sand in 914 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 149 bbls slickwater to pump ball & seat in plug. Broke @ 6032 psi, 12.0 BPM. Ave temp of frac fluid: 79°. Treated w/ ave pressure of 5366 psi @ ave rate of 35.2 BPM. Flush w/ 158 bbls slickwater @ 35.3 BPM, 5353 psi. ISDP 4656 psi. FG= 1.17, 5 min SIP 4100 psi, 10 min SIP 3747 psi, 15 min SIP 3475 psi. Leave pressure on well. - Open for flowback on 12/64 choke. Recovered 953 bbls water. - RD Baker Hughes frac equipment & Pure Energy WLT. - Stage #20 2293 psi on well. Frac Uteland

Butte NP Hz w/ 3000#'s of 100 Mesh & 170,086#s of 30/50 white sand in 1431 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 137 bbls slickwater to pump ball & seat in plug. Broke @ 6089 psi, 11.4 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 5280 psi @ ave rate of 35.1 BPM. Flush w/ 148 bbls slickwater @ 35 BPM, 5156 psi. ISDP 5000 psi. FG= 1.2, 5 min SIP 4530 psi, 10 min SIP 4191 psi, 15 min SIP 3866 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 6994' w/ 27.6 bbls. Set plug @ 6977'. Perforate on the fly stage #20 @ 6925-26.5', 6867-68.5', & 6820-21.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #19 2423 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 119,676#s of 30/50 white sand in 1111 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 132 bbls slickwater to pump ball & seat in plug. Broke @ 6640 psi, 11.4 BPM. Ave temp of frac fluid: 75°. Treated w/ ave pressure of 5085 psi @ ave rate of 35.1 BPM. Flush w/ 152 bbls slickwater @ 35 BPM, 4955 psi. ISDP 4884 psi. FG= 1.2, 5 min SIP 3644 psi, 10 min SIP 3060 psi, 15 min SIP 2736 psi. Leave pressure on well. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 7177' w/ 26.7 bbls. Set plug @ 7142.5'. Perforate on the fly stage #19 @ 7110-11.5', 7061-62.5', & 7010-11.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - RU Pure Energy WLT, crane & lubricator. Pressure test lubricator to 9500 psi w/ 4G test unit. RIH w/ Halliburton 4-1/2" 10K Obsidian composite flow through frac plug & three 3-1/8" slick guns loaded w/ 19 gram charges (0.40" EH & 38.87" pen), 6 SPF @ 60° phasing. Tie into X-over sub @ 6263-78' & begin pumping down w/ Baker Hughes pump truck. Pump down to 7350' w/ 36 bbls. Set plug @ 7308'. Perforate on the fly stage #18 @ 7298-99.5', 7250-51.5', & 7208-09.5' Total of 27 shots. POOH w/WL RD. Turn well over to Baker Hughes. - Stage #18. 2435 psi on well. Frac Uteland Butte NP Hz w/ 3000#'s of 100 Mesh & 102035#s of 30/50 white sand in 1021 bbls of Lightning 17 fluid. Pump 20 bbls15% HCL. Used 147 bbls slickwater to pump ball & seat in plug. Broke @ 5690 psi, 11.4 BPM. Ave temp of frac fluid: 77°. Treated w/ ave pressure of 5443 psi @ ave rate of 34.9 BPM. Flush w/ 154.9 bbls slickwater @ 35 BPM, 5436 psi. ISDP 4884 psi. FG= 1.2, 5 min SIP 3973 psi, 10 min SIP 3261 psi, 15 min SIP 2797 psi. Leave pressure on well.

Daily Cost: $0

Cumulative Cost: $1,908,250

9/4/2012 Day: 14 **Completion**

WWS #7 on 9/4/2012 - Shut well in from flowing back the frac. Recovered total of 9350 bbls.MIRU WWS #7. RU Perforators WLT & set kill plug @ 6370'. ND frac stack & NU drill out stack. Pressure test stack. - Spot Graco hydraulic cat walk & pipe racks. Unload tbg from trailers onto racks. - MIRU Perforators WLT. ND 10K blind flange. NU 10K-5K X-over spool. PU WL lubricator. Pressure test lubricator to 4000 psi for 5 min. RIH w/ Halliburton obsidian solid composite plug & set @ 6370'. POOH w/ WL. RD WLT. Bleed pressure off well. - MIRUSU. - Well had been flowing since 8/26/2012 :30 am @ 3:00 pm on a 12/64 choke. 2100 psi on well when flowback started. Ending w/ 250 psi flowing pressure @ rate of 28 BPH when shut in @ 6:30 am 9/4/2012. Good show of gas and oil in returns, no show of sand. Recovered 9350 bbls total fluid. - MU TTS BHA as follows: 3.795" five blade concave mill (1.01'), 2-3/8 PAC box by box sub (.75'), 2-3/8 PAC to 2-3/8 PH-6 X-over (1.12'), 2-3/8" tbg sub (3.47'), 2-3/8 PH-6 to 2-3/8 PAC X-over (.93'), Dual flapper BPV (2.00'), 2-3/8 PAC to 2-3/8 PH-6 (1.12'), 1-jt 2-3/8" PH-6 5.95# P-110 tbg (31.26'), 2-3/8" RN nipple (profile 1.71")(1.09'). PU 104-jts 2-3/8" PH-6 5.95# P-110 tbg. Hydraulic catwalk broke down. - Wait for replacement Hydraulic catwalk to arrive. - ND Top manual frac valve, 10K flowcross & 10K HCR valve. NU

5K double pipe rams w/ 2 3/8" ram blocks in each & 5K flowcross w/ dual double valves on each side. Install TWCV and hanger in wellhead. Pressure test both sets of pipe rams & TIW valves w/ low test of 200-300 psi for 5 min & high test of 5000 psi for 10 min.
Daily Cost: $0
Cumulative Cost: $1,944,220

9/5/2012 Day: 15 **Completion**

WWS #7 on 9/5/2012 - Continue to drillout plugs - RU replacement catwalk. PU 79- jts (total of 187-jts) 2-3/8" PH-6 5.95# P-110 tbg. MU R-nipple (1.71" profile) in top of jt#187. Continue PU Tagged solid composite brigde plug (kill plug) @ 6370 (207jts) in the hole. - RU Power swivel and drilled up bridge.It took 6 min. to drill up the brigde plug.Well is flowing on a 32/64 choke at 150psi on the csg. - Started swiveling in tbg. We are having to kick the pump in after every connection. To get to the first flow thru plug. - Tag plug #1 (#19 set) @ 8:10 am @ 6977' (jt#226). Seeing light sand & oil in returns. Mill through plug in 40 minutes (8:50 am). Pump 20 bbl high visc polymer sweep. - Continue swivel in w/ tbg to plug #2 (#18 set). Tagged plug on jt #231 (7143') @ 9:43 am. Mill through plug in 28 min (10:08 am). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #3 (#17 set). Tagged plug on jt #237 (7330') @ 10:48 am. Mill through plug in 29 min (11:17 am). Seeing heavy gas in returns. Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #4 (#16 set). Tagged plug on jt #243 (7522') @ 11:50 am. Mill through plug in 40 min (12:30 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #5 (#15 set). Tagged plug on jt #249 (7717') @ 1:23 pm. Mill through plug in 21 min (1:44 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #6 (#14 set). Tagged plug on jt #256 (7920') @ 2:12 pm. Mill through plug in 19 min (1:31 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #7 (#13 set). Tagged plug on jt #262 (8084') @ 2:58 pm. Mill through plug in 11 min (3:09 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #8 (#12 set). Tagged plug on jt #267 (8277') @ 3:37 pm. Mill through plug in 23 min (4:00 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #9 (#11 set). Tagged plug on jt #275 (8482') @ 4:37 pm. Mill through plug in 23 min (5:00 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #12 (#8 set). Tagged plug on jt 293 (9038') @ 7:06 pm. Mill through plug in 25 min (7:31 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #11 (#9 set). Tagged plug on jt #287 (8875') @ 6:19 pm. Mill through plug in 24 min (6:43 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #10 (#10 set). Tagged plug on jt #280 (8667') @ 5:27 pm. Mill through plug in 29 min (5:56 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #13 (#7 set). Tagged plug on jt 299 (9262') @ 8:05 pm. Mill through plug in 22 min (8:27 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #14 (#6 set). Tagged plug on jt 306 (9439') @ 8:55 pm. Mill through plug in 27 min (9:22 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #15 (#5 set). Tagged plug on jt 311 (9616') @ 1010 pm. Mill through plug in 15 min (10:25 pm). Pump 10 bbl high visc poylmer sweep. - Continue swivel in w/ tbg to plug #16 (#4 set). Tagged plug on jt 317(9794') @ 10:59 pm. At 11:15 Swivel broke down something in the gearhead was hanging up causing the swivel to torque up. Laid down one jt. Evaluated the problem. Pump 10 bbl high visc poylmer sweep. RD Swivel and started to pull 58 Stands back above the cross over and into the 5 1/2" csg.
Daily Cost: $0
Cumulative Cost: $2,028,170

9/6/2012 Day: 16 **Completion**

WWS #7 on 9/6/2012 - Continue to drillout plugs and Cleanout to PBTD. POOH w/work string - RU power Swivel to Continue drill out operations. It took awhile to getting started back to

drilling had to change out all the cross overs from the broke swivel to the new swivel. - Continue swivel in w/ tbg to PBTD @ 10554' on jt. 339. - Continue swivel in w/ tbg to plug #17 (#3 set). Tagged plug on jt 324 (10017') @ 3:40am. Mill through plug in 22 min (4:02am). Pump 10 bbl high visc polymer sweep. - Continue swivel in w/ tbg to plug #18 (#2 set). Tagged plug on jt 330 (10193') @ 4:28am. Mill through plug in 21 min (4:49am). Pump 10 bbl high visc polymer sweep. - Continue swivel in w/ tbg to plug #19 (#1 set). Tagged plug on jt 336 (10372') @ 5:26am. Mill through plug in 27 min (5:53am). Pump 10 bbl high visc polymer sweep. - Started pulling Stands to get back above the cross over and into the 5 1/2" csg.only pulled 23 stands before new swivel showed up. Started back in hole w/the 23 stands that we had out. Power swivel showed up at 1:00am. - TIH with BHA as follows 1jt 2 7/8" tbg Oranged Peeled w/ 3/4" barstock welded on bottom. 7jts 2 7/8"tbg. 6ft. 2 7/8" perforated sub. Mechanical SN w/1-1/4" x 42' dip tube. 2jts of 2 7/8" tbg. 2 7/8" x 5 1/2" TAC (w/carbide slips for p-110 pipe). Xjts of 2 7/8" tbg. National Anchor would not go into the csg. Had to get a Tech Tac Co 2 7/8" x 3 7/8" slim hole anchor (w/carbide slips for p-110 pipe). - Pressure tested the bottom set of 2 7/8" pipe rams low for 5min. To 380psi test high side for 10 min.to 4800psi. Tested the top set of pipe rams to a low of 370ps for 5min. and high to 4850psi. For 10 min. - Changed out 2 3/8" pipe rams to 2 7/8" pipe rams. - Continue LD 2-3/8" PH-6 workstring on pipe racks. Finished LD and well is still dead. - Circulate well w/ 400 bbls 10# brine while holding back pressure on the annulus w/ 24/64 choke. Check well for flow, no flow. Spot second set of pipe racks and unload 2-7/8" 6.5# J-55 8rd EUE production tbg from trailer onto pipe racks while pumping. Talley first row of tbg. - Mix & pump 20 bbl high visc polymer sweep while rotating & working tbg. Pump 30 bbls fresh water treated w/ 1gpt claycare & 1gpt Alpha 452. Pump additional 20 bbl high visc sweep. Circulate well clean w/ total of 280 bbls of fresh water treated w/ Alpha 452 1gpt & Claycare 1gpt. RD power swivel. - Hang swivel back. LD 100-jts 2-3/8" PH-6 on pipe racks. EOT @ 7405'. Well was flowing 1.5 BPM @ 250 psi w/ choke fully open. Heavy gas & oil, no show of sand. RU power swivel. - Started Pumping a 20bbl high visc polymer sweep. Pumped 30bbls then pumped another 20bbl high visc polymer sweep. Circulate well clean w/ 380 bbls fresh water treated w/ claycare 1gpt & Alpha 1gpt. - Continue swivel in w/ tbg to plug #16 (#4 set). Tagged plug on jt 317 (9794') @ 2:45am. Mill through the remainder of the plug in 3 min (2:48am). Pump 10 bbl high visc polymer sweep.

Daily Cost: $0

Cumulative Cost: $2,050,774

9/7/2012 Day: 17 **Completion**

WWS #7 on 9/7/2012 - RIH w/Production BHA, 2 7/8" tbg and pump and rods. No sign of fluid today. Move frac tanks off location. - Had to wait for the Slimhole anchor from Tech Tac Co to get here. - Started in the hole w/BHA Slimhole anchor went in the hole.TIH with BHA as follows 1jt 2 7/8" tbg Oranged Peeled w/ 3/4" barstock welded on bottom. 7jts 2 7/8"tbg. 6ft. 2 7/8" perforated sub. Mechanical SN w/1-1/4" x 42' dip tube. 2jts of 2 7/8" tbg.Tech Tac Co 2 7/8" x 3 7/8" slim hole anchor (w/carbide slips for p-110 pipe). . 179jts of 2 7/8" tbg. 6.5# J-55 8 round EUE. - RD rig floor. RU rig floor. TOOH w/ tbg to change out TA. - TIH w/ BHA as follows 1jt 2 7/8" tbg Oranged Peeled w/ 3/4" barstock welded on bottom. 7jts 2 7/8"tbg. 6ft. 2 7/8" perforated sub. Mechanical SN w/1-1/4" x 42' dip tube. 2jts of 2 7/8" tbg.TA (Tech Tac Co 2.441" ID) (w/carbide slips for p-110 pipe). . 179jts of 2 7/8" tbg. 6.5# J-55 8 round EUE. Tbg Hanger. - Pick-up prime pump. PU rods & TIH w/ 2-1/2"x1.75"x16'x20'x22' new National RHBM insert pump w/ 188"SL, 28- 7/8" 8per rods, 134- 3/4" 4per, 63- 7/8" 4per rods, 1-1/2" x 30' spray metal polish rod. Hang off w/ one rod short. RU stuffing box & ratigan. SIFN. Well stayed dead all day (no sign of fluid level). - RD rig floor. RD BOP's. Set TA @ 5634' w/ 18,000# tension on hanger w/ SN @ 5700' & EOT @ 5959'. Swap over to rod equipment.

Daily Cost: $0

Cumulative Cost: $2,373,133

9/8/2012 Day: 18 **Completion**

WWS #7 on 9/8/2012 - Open well w/ 0 psi. Space out pump. Change SL on unit. RDMOSU. Leave unit down due to surface equipment.. - Held safety meeting & discussed JSA's. Open well w/ 0 psi. LD polish rod.TIH w/ 2 rods to space out pump. LD 1 rod & pony rod up w/ ' pony. - RU B&G crane & change Stroke length to 168" on pump unit. - Fill tbg w/ 1 bbl of water. Test pump & tbg to 850 psi w/ unit. RDMOSU. 17,042 bbls EWTR. Leave unit down due to surface equipment.
Daily Cost: $0
Cumulative Cost: $2,377,562

9/10/2012 Day: 19 **Completion**

Rigless on 9/10/2012 - Weld flow line. Need mechanic on overspeed. Put well on production. - Held safety meeting & discussed JSA's & location hazards for hot work permit. Weld flow line to well head. - Put well to production tanks w/ 168" SL @ 4 spm w/ 17,042 bbls EWTR.
Daily Cost: $0
Cumulative Cost: $2,519,107

9/21/2012 Day: 2 **Pump Change**

WWS #5 on 9/21/2012 - TOOH, TIH, RUPU, PWOP, RDMO final report - unseat pump flush rods w/60 bbls, soft seat and test tbg (good test) TOOH w/ rods, pump. Wait 4 hrs for pump. TIH w/ pump, rod string. Stroke test to 800# good test RUPU, PWOP, RDMO. Final report - MIRU, RDPU, pump 60 bbls down csg flow well for 2 hrs well would not die flow well to tanks overnite - MIRU, RDPU, pump 60 bbls down csg flow well for 2 hrs well would not die flow well to tanks overnite - unseat pump flush rods w/60 bbls, soft seat and test tbg (good test) TOOH w/ rods, pump. Wait 4 hrs for pump. TIH w/ pump, rod string. Stroke test to 800# good test RUPU, PWOP, RDMO. Final report **Finalized**
Daily Cost: $0
Cumulative Cost: $12,390

Pertinent Files: Go to File List

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21836

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 1-32-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013501570000

3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202

PHONE NUMBER: 303 382-4443 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1017 FNL 0639 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 32 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 4/1/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Site Facility/Site Security

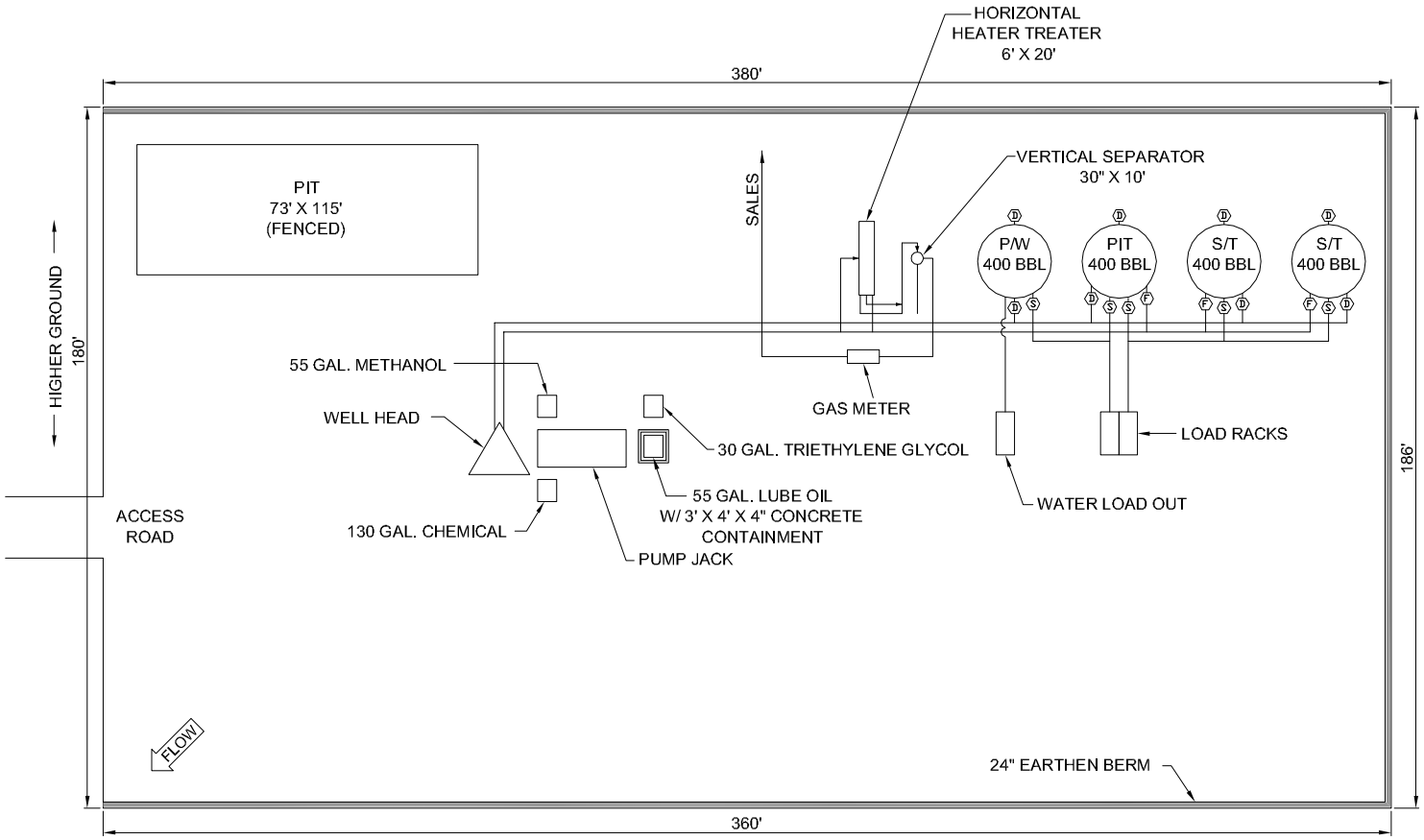
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 01, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jill L Loyle	303 383-4135	Regulatory Technician
SIGNATURE N/A		**DATE** 4/22/2013

RECEIVED: Apr. 22, 2013



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Open	No
O	Overflow	Open/Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Open/Closed	No
S	Sales	Closed	Yes

POSITION OF VALVES AND USE OF SEALS DURING SALES			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Closed	Yes
O	Overflow	Closed	Yes
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Open	No

Valve Type
D - Drain Valve
F - Flow Valve
O - Overflow
V - Vent
R - Recycle
B - Blow Down
S - Sales Valve

Federal Lease #: UTU-87538X
API #:

This lease is subject to the Site Security Plan for:
Newfield Exploration Company
19 East Pine Street
Pinedale, WY 82941

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Open	No
F	Oil, Gas, Water	Closed	No
O	Overflow	Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Closed	Yes

GMBU 1-32-8-16H

Newfield Exploration Company
NENE Sec 32, T8S, R16E
Duchesne County, UT

M.G. | OCT 2012

KLEINFELDER
Bright People. Right Solutions.

Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.

RECEIVED: Apr. 22, 2013